

Mr. James Saric
Remedial Project Manager
USEPA Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3511

ARCADIS
10559 Citation Drive
Suite 100
Brighton
Michigan 48116
Tel 810.229.8594
Fax 810.229.8837
www.arcadis-us.com

Subject:
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies Monthly Progress Report
Area 1 – Morrow Dam to Plainwell Dam
Area 2 – Plainwell Dam to Otsego City Dam (Otsego City Impoundment)
Area 3 – Otsego City Dam to Otsego Dam (Former Otsego Impoundment)
October 2012

SEDIMENTS

Date:
November 13, 2012

Dear Jim:

Attached is the 68th monthly progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Site) Supplemental Remedial Investigation/Feasibility Study (SRI/FS). This progress report is submitted as per Paragraph 37 of the February 2007 Administrative Settlement Agreement and Order on Consent (AOC) for Remedial Investigations/Feasibility Studies (Docket No. V-W-07-C-864), as well as Section 7.1 of the associated Statement of Work (SOW). If you have any questions, please do not hesitate to contact me.

Contact:
Michael J. Erickson, P.E.

Sincerely,

ARCADIS



Michael J. Erickson, P.E.
Vice President

Phone:
810.225.1924

Email:
michael.erickson@arcadis-us.com

Our ref:
B0064539.0003.00014
#2

Attachments

Copies:
Michael Berkoff, USEPA
Sam Borries, USEPA
Paul Bucholtz, MDEQ
Sharon Hanshue, MDNR
Jeff Keiser, CH2M HILL
Todd Goeks, NOAA
Jessica Winter, NOAA
Richard Gay, Weyerhaeuser Company
Martin Lebo, Ph.D., Weyerhaeuser Company
Kathy Huibregtse, ENVIRON
Garry Griffith, P.E., Georgia-Pacific LLC

**MONTHLY PROGRESS REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE SRI/FS
AREA 1 (MORROW DAM TO PLAINWELL DAM)
AREA 2 (PLAINWELL DAM TO OTSEGO CITY DAM – OTSEGO CITY IMPOUNDMENT)
AREA 3 (OTSEGO CITY DAM TO OTSEGO DAM – OTSEGO IMPOUNDMENT)**

REPORT #68, OCTOBER 2012

**PREPARED BY ARCADIS
NOVEMBER 13, 2012**

ON BEHALF OF GEORGIA-PACIFIC LLC

SUBMITTED TO

**JAMES SARIC, REMEDIAL PROJECT MANAGER
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Areas 1, 2, and 3**

REPORT #68, OCTOBER 2012

Significant Developments and Activities during the Period, Including Actions Undertaken Pursuant to the AOC and SOW

- On October 1, the Michigan Department of Natural Resources (MDNR) provided to ARCADIS the final draft comments from MDNR, the Michigan Department of Environmental Quality (MDEQ), and the Natural Resource Trustees (Trustees) on the Former Plainwell Impoundment bank monitoring effort.
- On October 2, ARCADIS submitted the revised *Area 3 Proposed Survey and Field Sampling Plan* to the United States Environmental Protection Agency (USEPA).
- On October 3, ARCADIS submitted to MDEQ and MDNR an evaluation of hydraulic modeling near the Former Plainwell Dam performed to evaluate the effects of remaining stored sediment on bank stresses.
- On October 3, ARCADIS forwarded to the Trustees an agenda for the October 4 call, draft bank repair cross-sections, and photos of three removal areas for the Former Plainwell Impoundment.
- On October 3, USEPA forwarded to ARCADIS a letter approving the *Area 3 Proposed Survey and Field Sampling Plan*.
- On October 4, Georgia-Pacific, ARCADIS, USEPA, MDEQ, MDNR, the U.S. Fish and Wildlife Service (USFWS), the Michigan Department of Agriculture (MDAG), and the National Oceanic and Atmospheric Administration (NOAA) participated in a conference call to discuss the Former Plainwell Impoundment and Plainwell No. 2 Dam Area bank conditions.
- On October 8, ARCADIS transmitted to the Trustees figures detailing bank repair for the Former Plainwell Impoundment and Plainwell No. 2 Dam Area.
- On October 11, USEPA approved a request from ARCADIS to defer the *Area 2 Alternatives Screening Technical Memorandum (ASTM)* until after review and revision (if necessary to incorporate Agency comments) of the draft *Area 2 Supplemental Remedial Investigation (SRI)* report.
- On October 11, Atwood, DeJong, Curtiss, LLC provided a signed property access agreement for the Area 3 survey and soil sampling activities.
- On October 15, ARCADIS forwarded to USEPA the fall 2012 bank repair plan for the Former Plainwell Impoundment and Plainwell No. 2 Dam Area.
- On October 15, USEPA transmitted to ARCADIS comments on the draft *Former Plainwell Impoundment and Plainwell No. 2 Dam Area Spring 2012 Bank Conditions Monitoring Report*.
- On October 22, Washout LLC provided a signed property access agreement for the Area 3 survey and soil sampling activities.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek
Kalamazoo River Superfund Site SRI/FS – Areas 1, 2, and 3**

REPORT #68, OCTOBER 2012

- On October 24, ARCADIS forwarded to the Rolfe Family Trust a property access agreement for the Former Plainwell Impoundment in order to perform bank repair construction work.
- On October 25, the Rolfe Family Trust provided a signed property access agreement for the Former Plainwell Impoundment.
- On October 25, Georgia-Pacific, ARCADIS, USEPA, and MDEQ participated in a site walk to discuss maintenance needs at the Former Plainwell Impoundment.
- On October 26, USEPA forwarded a MDEQ/CDM field report to Georgia-Pacific documenting an inspection of Removal Area 4A of the Former Plainwell Impoundment that was completed on October 25.
- On October 30, ARCADIS submitted the *Area 1 Feasibility Study (FS) Report* to USEPA by email and forwarded hard copies the following day.
- On October 31, USEPA provided comments to ARCADIS on the September 2012 proposal regarding bioaccumulation factors in Area 2.
- Georgia-Pacific awaits the following:
 - Signed property access agreement from Otsego Paper, Inc./US Gypsum regarding Area 3 sampling.
 - USEPA's comments on the *Area 1 FS Report*.
 - USEPA approval of the proposed bank repairs for the Former Plainwell Impoundment and Plainwell No. 2 Dam Area.

Data Collected and Field Activities Conducted during the Period

- On October 15, ARCADIS resurveyed existing erosion pin locations in the Otsego Impoundment (Area 3). Per earlier discussions with USEPA and MDEQ, there was no oversight of these survey activities.
- During the weeks of October 15 and 22, ARCADIS measured staff gage height and surface water velocity at the Farmer Street bridge, the M-89 bridge, and the Otsego Dam. Per earlier discussions with USEPA and MDEQ, there was no oversight of these survey activities. Table 1 presents staff gage coordinates and readings data.
- During the weeks of October 1, 8, 15, and 22, ARCADIS completed the soil and sediment sampling in Area 3 with oversight by representatives of USEPA and MDEQ (with the exception of samples that may potentially be taken on the island owned by US Gypsum downstream of the Otsego City Dam – pending a signed property access agreement). Probing data from the sediment transects are provided in Table 2. Data regarding the cores collected are provided in Table 3. Detailed core descriptions for collected cores are provided in Table 4. Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) for PCB, grain size, and total organic carbon (TOC) analyses, as shown in Table 5.
- On October 25 and 26, ARCADIS installed survey stakes to mark the area of bank repairs at Former Plainwell Impoundment Removal Area 6B and Plainwell No. 2 Dam Area Removal Area 3A.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Areas 1, 2, and 3**

REPORT #68, OCTOBER 2012

Laboratory Data Received during the Period

- In October, ARCADIS received analytical results from TestAmerica for soil and sediment sampling in Area 3 submitted for PCB, grain size, and TOC analyses in September. Table 6 lists the sample analytical results received from TestAmerica in October by sample delivery group (SDG).

Problems

- None.

Actions Taken to Correct Problems

- In October, core locations OFP-016, OFP-023, OFP-24, OFP-033, OFP-37, OFP-38, and OFP-43 were re-occupied using different sampling equipment after hard-packed clay was encountered during sampling in September.
- On October 3, ARCADIS notified CH2M HILL and CDM Smith of the Otsego Impoundment (Area 3) floodplain core locations that would be re-occupied.

Developments Anticipated during the Next Two Reporting Periods

- On November 1, ARCADIS is scheduled to submit the *Area 2 SRI Report* to USEPA.
- On November 1, ARCADIS is scheduled to submit to USEPA a letter regarding the upcoming 2012 fish sampling in the Kalamazoo River.
- During the week of November 5, ARCADIS is scheduled to perform fish collection for PCB analysis.
- By November 30, ARCADIS is scheduled to submit the Area 4 SRI/FS Work Plan.
- In November, MDEQ is scheduled to provide ARCADIS with comments on documents related to the Former Plainwell Impoundment and Plainwell No. 2 Dam Area.
- In November, ARCADIS plans to submit final responses to USEPA and MDEQ comments on the Area 1 ASTM.
- In November and December, ARCADIS anticipates receiving the remaining data from TestAmerica for the Area 3 sampling performed in September and October.
- Validated data for the laboratory SDGs received in October will be included in the December monthly report.

**Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012**

Table 1 - Area 3/Former Otsego Impoundment 2012 Staff Gage Data

Staff Gage	Location	Northing	Easting	Staff Gage Elevation
1 (OSG-1)	Kalamazoo River at Otsego Dam ¹	354636.9	12750530.0	673.8
2 (OSG-2)	Kalamazoo River at M-89 Bridge ²	352864.4	12757632.7	681.9
3 (OSG-3)	Kalamazoo River at Farmer Street ³	353533.1	12764623.2	695.9

Staff Gage	Date	Time	Gage Height (feet)	Water Elevation (feet)	Flow (cfs)
1	10/15/2012	825 - 925	2.3	676.1	1339
2	10/15/2012	1550 - 1650	4	677.9	1191
3	10/17/2012	810 - 922	11	684.9	853
1	10/26/2012	800 - 905	2.5	676.3	1412
2	10/26/2012	930 - 1040	4.3	677.6	1416
3	10/26/2012	1130 - 1245	10.8	685.1	895

Notes:

cfs - cubic feet per second

1. Staff gage elevation at OSG-1 (Otsego Dam) measured from a nail established at waters edge.
2. Staff gage elevation at OSG-2 (M-89 Bridge) measured from top of steel piling near water edge at M-89 Bridge.
3. Staff gage elevation at OSG-3 (Farmer Street) located on the Farmer Street Bridge.
4. Coordinates are based on the North American Datum of 1983, Michigan South Zone, International Foot.
5. Elevations are based on the National Geodetic Vertical Datum of 1929.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/2/2012	ORT-13	0+01	ORT-13 (0+01)	-	1	1.4	6.0	-	-	Silty clay, loose sand, tight sand	Survey Only Transect
		0+05	ORT-13 (0+05)	-	5	5.1	2.4	-	-	Clayey silt over sand	Survey Only Transect
		0+10	ORT-13 (0+10)	-	10	7.7	0.4	-	-	Sand over tight sand, trace gravel	Survey Only Transect
		0+15	ORT-13 (0+15)	-	15	8.3	0.2	-	-	Sand over tight sand, trace gravel	Survey Only Transect
		0+20	ORT-13 (0+20)	-	20	8.7	0.2	-	-	Sand over tight sand	Survey Only Transect
		0+30	ORT-13 (0+30)	-	30	8.5	0.6	-	-	Sand over tight sand	Survey Only Transect
		0+40	ORT-13 (0+40)	-	40	7.6	1.6	-	-	Sand over tight sand	Survey Only Transect
		0+50	ORT-13 (0+50)	-	50	6.9	2.2	-	-	Sand over tight sand	Survey Only Transect
		0+60	ORT-13 (0+60)	-	60	6.5	2.7	-	-	Sand over tight sand	Survey Only Transect
		0+70	ORT-13 (0+70)	-	70	5.0	3.5	-	-	Sand over tight sand	Survey Only Transect
		0+80	ORT-13 (0+80)	-	80	5.1	2.1	-	-	Sand over tight sand	Survey Only Transect
		0+90	ORT-13 (0+90)	-	90	5.2	1.0	-	-	Sand over tight sand	Survey Only Transect
		1+00	ORT-13 (1+00)	-	100	4.5	1.0	-	-	Sand over tight sand	Survey Only Transect
		1+10	ORT-13 (1+10)	-	110	4.0	4.0	-	-	Sand over tight sand	Survey Only Transect
		1+20	ORT-13 (1+20)	-	120	3.2	4.0	-	-	Sand over tight sand	Survey Only Transect
		1+30	ORT-13 (1+30)	-	130	2.3	2.7	-	-	Clayey silt over hard pack sand	Survey Only Transect
		1+40	ORT-13 (1+40)	-	140	1.0	4.0	-	-	Clayey silt over hard pack sand	Survey Only Transect
		1+45	ORT-13 (1+45)	-	145	0.5	5.0	-	-	Clayey silt over hard pack sand	Survey Only Transect
		1+50	ORT-13 (1+50)	-	151	0.2	3.8	-	-	Clayey silt over hard pack sand	Survey Only Transect
		1+55	ORT-13 (1+55)	-	155	0.1	3.0	-	-	Clayey silt over hard pack sand	Survey Only Transect
		1+60	ORT-13 (1+60)	-	160	0.2	4.6	-	-	Clayey silt over hard pack sand	Survey Only Transect
	ORT-15	0+05.5	ORT-15 (0+05.5)	-	5.5	0.0	4.8	-	-	Sand, gravel over tight sand	Survey Only Transect
		0+10	ORT-15 (0+10)	-	10	0.5	3.9	-	-	Sand, gravel over tight sand	Survey Only Transect
		0+15	ORT-15 (0+15)	-	15	1.0	3.2	-	-	Sand, gravel over tight sand	Survey Only Transect
		0+20	ORT-15 (0+20)	-	20	1.5	2.8	-	-	Sand/rock and gravel	Survey Only Transect
		0+40	ORT-15 (0+40)	-	40	3.0	0.5	-	-	Sand/rock and gravel	Survey Only Transect
		0+60	ORT-15 (0+60)	-	60	3.5	0.6	-	-	Sand/rock	Survey Only Transect
		0+80	ORT-15 (0+80)	-	80	4.0	0.1	-	-	Sand/rock	Survey Only Transect
		1+00	ORT-15 (1+00)	-	100	3.9	0.1	-	-	Sand	Survey Only Transect
		1+20	ORT-15 (1+20)	-	120	3.8	0.1	-	-	Sand/rock	Survey Only Transect
		1+40	ORT-15 (1+40)	-	140	3.6	0.3	-	-	Sand	Survey Only Transect
		1+60	ORT-15 (1+60)	-	160	3.5	0.1	-	-	Sand	Survey Only Transect
		1+80	ORT-15 (1+80)	-	180	4.2	0.2	-	-	Loose silt over sand	Survey Only Transect
		2+00	ORT-15 (2+00)	-	200	2.0	2.2	-	-	Clayey silt, tight sand	Survey Only Transect
		2+05	ORT-15 (2+05)	-	205	1.7	3.0	-	-	Clayey silt, tight sand	Survey Only Transect
		2+10	ORT-15 (2+10)	-	210	0.9	3.4	-	-	Clayey silt, tight sand	Survey Only Transect
		2+15	ORT-15 (2+15)	-	215	0.0	4.3	-	-	Clayey silt, tight sand	Survey Only Transect

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/2/2012 (Cont.)	ORT-19	0+01.5	ORT-19 (0+01.5)	-	1.5	0.6	1.5	-	-	Sand over rock, sheen, trace clay	Survey Only Transect
		0+05	ORT-19 (0+05)	-	5	1.2	1.2	-	-	Sand over rock, sheen, trace clay	Survey Only Transect
		0+10	ORT-19 (0+10)	-	10	1.3	1.1	-	-	Sand over rock, sheen, trace clay	Survey Only Transect
		0+15	ORT-19 (0+15)	-	15	1.2	1.0	-	-	Sand over rock, sheen	Survey Only Transect
		0+20	ORT-19 (0+20)	-	20	1.7	0.5	-	-	Sand over rock	Survey Only Transect
		0+30	ORT-19 (0+30)	-	30	2.1	0.2	-	-	Sand between rock	Survey Only Transect
		0+50	ORT-19 (0+50)	-	50	3.0	0.1	-	-	Sand between rock	Survey Only Transect
		0+70	ORT-19 (0+70)	-	70	3.1	0.1	-	-	Sand between rock	Survey Only Transect
		0+90	ORT-19 (0+90)	-	90	1.9	0.0	-	-	Sand between rock	Survey Only Transect
		1+10	ORT-19 (1+10)	-	110	1.9	0.0	-	-	Sand between rock	Survey Only Transect
		1+30	ORT-19 (1+30)	-	130	2.0	0.0	-	-	Sand between rock	Survey Only Transect
		1+50	ORT-19 (1+50)	-	150	2.0	0.1	-	-	Sand over rock	Survey Only Transect
		1+70	ORT-19 (1+70)	-	170	1.5	0.2	-	-	Sand over rock	Survey Only Transect
		1+90	ORT-19 (1+90)	-	190	1.3	0.2	-	-	Sand over rock	Survey Only Transect
		1+95	ORT-19 (1+95)	-	195	1.4	0.5	-	-	Sand over rock	Survey Only Transect
		2+00	ORT-19 (2+00)	-	200	1.5	0.5	-	-	Sand over rock	Survey Only Transect
		2+05	ORT-19 (2+05)	-	205	1.2	0.3	-	-	Sand over rock	Survey Only Transect
		2+08.5	ORT-19 (2+08.5)	-	208.5	0.1	1.4	-	-	Silty sand over rock	Survey Only Transect
	ORT-21	0+05	ORT-21 (0+05)	-	5	0.0	2.3	-	-	Silty sand over rock	Survey Only Transect
		0+10	ORT-21 (0+10)	-	10	1.2	1.3	-	-	Silty sand over rock	Survey Only Transect
		0+15	ORT-21 (0+15)	-	15	2.1	0.5	-	-	Silty sand over rock	Survey Only Transect
		0+20	ORT-21 (0+20)	-	20	2.2	0.3	-	-	Sand between gravel/rock	Survey Only Transect
		0+30	ORT-21 (0+30)	-	30	2.4	0.2	-	-	Sand between gravel/rock	Survey Only Transect
		0+50	ORT-21 (0+50)	-	50	3.2	0.8	-	-	Sand between gravel/rock	Survey Only Transect
		0+70	ORT-21 (0+70)	-	70	4.0	0.2	-	-	Sand between gravel/rock	Survey Only Transect
		0+90	ORT-21 (0+90)	-	90	4.8	0.1	-	-	Sand between gravel/rock	Survey Only Transect
		1+00	ORT-21 (1+00)	-	100	3.0	0.2	-	-	Sand between gravel/rock	Survey Only Transect
		1+10	ORT-21 (1+10)	-	110	1.9	0.1	-	-	Sand between gravel/rock	Survey Only Transect
		1+30	ORT-21 (1+30)	-	130	1.8	0.0	-	-	Sand between gravel/rock	Survey Only Transect
		1+50	ORT-21 (1+50)	-	150	1.3	0.1	-	-	Sand between gravel/rock	Survey Only Transect
		1+70	ORT-21 (1+70)	-	170	1.3	0.0	-	-	Sand between gravel/rock	Survey Only Transect
		1+90	ORT-21 (1+90)	-	190	3.0	0.3	-	-	Sand over tight sand	Survey Only Transect
		1+95	ORT-21 (1+95)	-	195	2.9	0.4	-	-	Sand over rock	Survey Only Transect
		2+00	ORT-21 (2+00)	-	200	1.8	0.3	-	-	Sand over rock	Survey Only Transect
		2+05	ORT-21 (2+05)	-	205	1.0	2.0	-	-	Sand, gravel over wood	Survey Only Transect
		2+09	ORT-21 (2+09)	-	209	0.1	1.1	-	-	Sand, gravel over rock	Survey Only Transect

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/2/2012 (Cont.)	ORT-27	0+01.3	ORT-27 (0+01.3)	-	1.3	0.1	0.2	-	-	Rock	Survey Only Transect
		0+05	ORT-27 (0+05)	-	5	0.2	0.2	-	-	Rock	Survey Only Transect
		0+10	ORT-27 (0+10)	-	10	0.6	0.0	-	-	Rock	Survey Only Transect
		0+15	ORT-27 (0+15)	-	15	1.1	0.1	-	-	Sand over rock	Survey Only Transect
		0+20	ORT-27 (0+20)	-	20	1.5	0.3	-	-	Sand over rock	Survey Only Transect
		0+30	ORT-27 (0+30)	-	30	1.0	0.2	-	-	Trace sand, gravel/rock	Survey Only Transect
		0+40	ORT-27 (0+40)	-	40	2.8	0.1	-	-	Trace sand, gravel/rock	Survey Only Transect
		0+50	ORT-27 (0+50)	-	50	3.0	0.3	-	-	Trace sand, gravel/rock	Survey Only Transect
		0+60	ORT-27 (0+60)	-	60	3.0	0.1	-	-	Trace sand, gravel/rock	Survey Only Transect
		0+70	ORT-27 (0+70)	-	70	2.7	0.2	-	-	Trace sand, gravel/rock	Survey Only Transect
		0+80	ORT-27 (0+80)	-	80	2.6	0.0	-	-	Trace sand, gravel/rock	Survey Only Transect
		0+90	ORT-27 (0+90)	-	90	2.8	0.3	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+00	ORT-27 (1+00)	-	100	2.4	0.1	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+10	ORT-27 (1+10)	-	110	1.9	0.1	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+20	ORT-27 (1+20)	-	120	2.4	0.0	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+30	ORT-27 (1+30)	-	130	2.6	0.3	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+40	ORT-27 (1+40)	-	140	2.5	0.1	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+50	ORT-27 (1+50)	-	150	3.0	0.0	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+60	ORT-27 (1+60)	-	160	3.5	0.2	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+70	ORT-27 (1+70)	-	170	3.3	0.0	-	-	Gravel/rock	Survey Only Transect
		1+75	ORT-27 (1+75)	-	175	3.1	4.0	-	-	Sand over tight sand	Survey Only Transect
		1+80	ORT-27 (1+80)	-	180	2.4	2.9	-	-	Sand, gravel, rock, concrete	Survey Only Transect
		1+84	ORT-27 (1+84)	-	184	0.4	1.1	-	-	Sand, gravel, rock, concrete	Survey Only Transect
	ORT-28	0+05	ORT-28 (0+05)	-	5	0.1	1.0	-	-	Silty sand between rock	Survey Only Transect
		0+10	ORT-28 (0+10)	-	10	0.6	1.8	-	-	Silty sand over rock	Survey Only Transect
		0+15	ORT-28 (0+15)	-	15	1.6	1.9	-	-	Sand over rock	Survey Only Transect
		0+20	ORT-28 (0+20)	-	20	3.0	0.9	-	-	Sand over rock	Survey Only Transect
		0+30	ORT-28 (0+30)	-	30	3.8	0.0	-	-	Gravel/rock	Survey Only Transect
		0+40	ORT-28 (0+40)	-	40	3.1	0.2	-	-	Gravel/rock	Survey Only Transect
		0+50	ORT-28 (0+50)	-	50	2.7	0.1	-	-	Gravel/rock	Survey Only Transect
		0+60	ORT-28 (0+60)	-	60	2.5	0.0	-	-	Gravel/rock	Survey Only Transect
		0+70	ORT-28 (0+70)	-	70	2.6	0.1	-	-	Gravel/rock	Survey Only Transect
		0+80	ORT-28 (0+80)	-	80	2.7	0.0	-	-	Gravel/rock	Survey Only Transect
		0+90	ORT-28 (0+90)	-	90	2.8	0.1	-	-	Gravel/rock	Survey Only Transect
		1+00	ORT-28 (1+00)	-	100	3.1	0.1	-	-	Gravel/rock	Survey Only Transect
		1+10	ORT-28 (1+10)	-	110	3.3	0.0	-	-	Gravel/rock	Survey Only Transect
		1+20	ORT-28 (1+20)	-	120	3.5	0.1	-	-	Gravel/rock	Survey Only Transect

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/2/2012 (Cont.)	ORT-28 (Cont.)	1+30	ORT-28 (1+30)	-	130	3.5	0.0	-	-	Gravel/rock	Survey Only Transect
		1+40	ORT-28 (1+40)	-	140	3.1	0.1	-	-	Gravel/rock	Survey Only Transect
		1+45	ORT-28 (1+45)	-	145	3.2	0.1	-	-	Trace sand, gravel/rock	Survey Only Transect
		1+50	ORT-28 (1+50)	-	150	3.4	0.3	-	-	Sand over gravel/rock	Survey Only Transect
		1+55	ORT-28 (1+55)	-	155	3.1	0.1	-	-	Sand over gravel/rock	Survey Only Transect
		1+60	ORT-28 (1+60)	-	160	1.8	1.0	-	-	Sand over gravel/rock	Survey Only Transect
		1+65	ORT-28 (1+65)	-	165	0.4	1.1	-	-	Silt, sand over rock	Survey Only Transect
	ORT-29	0+05	ORT-29 (0+05)	-	5	0.0	1.0	-	-	Sand, gravel, rock, brick	Survey Only Transect
		0+10	ORT-29 (0+10)	-	10	0.9	0.1	-	-	Sand, gravel, rock, brick	Survey Only Transect
		0+15	ORT-29 (0+15)	-	15	1.0	0.2	-	-	Sand between rock and gravel	Survey Only Transect
		0+20	ORT-29 (0+20)	-	20	0.8	0.2	-	-	Sand between rock and gravel	Survey Only Transect
		0+30	ORT-29 (0+30)	-	30	0.7	0.0	-	-	Sand between rock and gravel	Survey Only Transect
		0+40	ORT-29 (0+40)	-	40	2.2	0.0	-	-	Rock	Survey Only Transect
		0+50	ORT-29 (0+50)	-	50	2.1	0.0	-	-	Rock	Survey Only Transect
		0+60	ORT-29 (0+60)	-	60	2.3	0.0	-	-	Rock	Survey Only Transect
		0+70	ORT-29 (0+70)	-	70	2.8	0.2	-	-	Sand between rock/gravel	Survey Only Transect
		0+80	ORT-29 (0+80)	-	80	4.2	0.0	-	-	Rock	Survey Only Transect
		0+90	ORT-29 (0+90)	-	90	4.8	0.2	-	-	Rock/sand	Survey Only Transect
		1+00	ORT-29 (1+00)	-	100	4.5	0.0	-	-	Rock	Survey Only Transect
		1+10	ORT-29 (1+10)	-	110	4.3	0.2	-	-	Sand/rock	Survey Only Transect
		1+20	ORT-29 (1+20)	-	120	3.8	0.0	-	-	Gravel/rock	Survey Only Transect
		1+30	ORT-29 (1+30)	-	130	3.1	0.1	-	-	Sand/gravel/rock	Survey Only Transect
		1+40	ORT-29 (1+40)	-	140	1.8	0.1	-	-	Silt/sand/gravel/rock	Survey Only Transect
		1+45	ORT-29 (1+45)	-	145	1.0	0.5	-	-	Silt/sand/gravel/rock	Survey Only Transect
		1+50	ORT-29 (1+50)	-	150	0.2	0.6	-	-	Silt/sand/gravel/rock	Survey Only Transect
		1+51	ORT-29 (1+51)	-	151	up 4.8	-	-	-	N/A	Survey Only Transect
10/10/2012	ORT-07	0+00	ORT-07 (0+00)	-	0	0.1	2.9	-	-	Silty sand over sand/gravel	-
		0+05	ORT-07 (0+05)	1350	5	0.3	2.7	2.4	2.2	Silty sand over sand/gravel	No
		0+10	ORT-07 (0+10)	1400	10	1.0	1.7	1.8	1.8	Silty sand over sand/gravel	Yes
		0+29	ORT-07 (0+29)	1410	29	6.6	1.4	1.4	1.3	Silty sand over gravel	Yes
		0+31	ORT-07 (0+31)	-	31	7.0	0.6	-	-	N/A	-
		0+48	ORT-07 (0+48)	-	48	8.1	0.1	-	-	Gravel (sands between)	-
		0+67	ORT-07 (0+67)	-	67	8.1	0.2	-	-	Gravel	-
		0+86	ORT-07 (0+86)	1440	86	7.2	1.2	0.6	0.3	Sand over gravel	No
		1+05	ORT-07 (1+05)	1500	105	6.8	1.4	1.3	1.2	Sand over gravel	No
		1+24	ORT-07 (1+24)	1510	124	7.1	1.2	1.0	1.0	Sand over rock	Yes
		1+43	ORT-07 (1+43)	1550	143	4.8	3.4	3.4	2.8	Silty clay over rock	Yes
		1+48	ORT-07 (1+48)	1540	148	2.5	5.9	3.9	3.5	Silty clay over sand	No
		1+53	ORT-07 (1+53)	-	153	0.6	7.9	-	-	Silty clay	-

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/11/2012	ORT-01	0+00	ORT-01 (0+00)	-	0	0.6	8.5	-	-	Silty clay over sand	-
		0+05	ORT-01 (0+05)	950	5	1.6	5.7	5.4	4.4	Silty sand over rock	No
		0+10	ORT-01 (0+10)	1005	10	1.6	5.7	5.2	4.4	Silty sand over sand	Yes
		0+40	ORT-01 (0+40)	1035	40	2.8	4.8	5.0	4.4	Silty sand over rock	No
		0+70	ORT-01 (0+70)	1220	70	3.6	7.0	5.0	4.4	Sand/silty clay over sand	No
		1+00	ORT-01 (1+00)	1245	100	4.2	6.7	5.4	5.0	Sand/silty clay over rock	Yes
		1+30	ORT-01 (1+30)	1315	130	5.2	7.0	6.4	5.8	Sand/silty clay over tight sand	No
		1+60	ORT-01 (1+60)	1355	160	5.8	7.2	6.0	5.2	Sand/silty clay	Yes
		1+90	ORT-01 (1+90)	1430	190	6.9	6.1	6.1	5.9	Sand/silty clay	No
		2+17	ORT-01 (2+17)	1455	217	3.6	4.2	2.0	1.5	Silt/sand/gravel over rock	No
		2+22	ORT-01 (2+22)	1520	222	1.5	2.1	2.6	2.3	Silt/sand/rock	Yes
		2+27	ORT-01 (2+27)	-	227	0.2	0.7	-	-	Silt/sand/gravel/rock	-
		0+00	ORT-03 (0+00)	-	0	0.9	3.6	-	-	Clay/sand/tight pack sand	-
10/12/2012	ORT-03	0+05	ORT-03 (0+05)	915	5	1.4	2.3	2.0	1.7	Silty clay/sand over rock	Yes
		0+10	ORT-03 (0+10)	920	10	2.0	1.9	1.4	1.3	Silty clay/sand over rock	No
		0+47	ORT-03 (0+47)	940	47	5.0	6.3	5.4	4.8	Sand/silty clay/tight sand	No
		0+84	ORT-03 (0+84)	1015	84	3.6	8.1	6.4	5.6	Sand/silty clay/tight sand	No
		1+21	ORT-03 (1+21)	1045	121	3.3	7.9	6.4	5.8	Sand/silty clay/tight sand	Yes
		1+58	ORT-03 (1+58)	1055	158	1.9	9.4	4.9	4.0	Loose sand	No
		1+99	ORT-03 (1+99)	1110	199	1.9	7.7	5.2	5.2	Loose sand/clay	Yes
		2+36	ORT-03 (2+36)	1120	236	1.6	6.9	4.1	3.8	Sand/clay/sand	No
		2+68	ORT-03 (2+68)	1140	268	1.6	6.8	4.8	3.4	Sand/clay/sand	Yes
		2+73	ORT-03 (2+73)	1200	273	1.0	7.6	7.0	4.2	Sand/clay/sand	No
		2+78	ORT-03 (2+78)	-	278	0.5	8.1	-	-	Silty clay over sand	-
	ORT-05	0+00	ORT-05 (0+00)	-	0	0.3	8.9	-	-	Silty clay	-
		0+05	ORT-05 (0+05)	1240	5	1.7	6.4	6.4	4.6	Silty clay over sand	Yes
		0+10	ORT-05 (0+10)	1255	10	2.4	7.8	5.3	3.8	Sand	No
		0+42	ORT-05 (0+42)	1305	42	1.9	8.6	5.3	4.8	Sand/clay	Yes
		0+74	ORT-05 (0+74)	1320	74	1.9	8.7	5.4	5.3	Sand/clay	No
		1+06	ORT-05 (1+06)	1330	106	2.7	7.6	5.2	4.8	Sand/clay	No
		1+38	ORT-05 (1+38)	1350	138	3.7	6.5	4.3	3.8	Sand/clay	No
		1+70	ORT-05 (1+70)	1425	170	5.0	5.9	5.3	5.0	Sand	Yes
		2+02	ORT-05 (2+02)	1515	202	5.5	3.9	3.7	3.4	Sand/clay/sand	No
		2+14	ORT-05 (2+14)	1450	214	3.0	5.4	3.7	3.3	Silty sand over sand	Yes
		2+19	ORT-05 (2+19)	1455	219	1.6	3.6	4.1	2.6	Silty sand over sand	No
		2+24	ORT-05 (2+24)	-	224	0.7	3.2	-	-	Silty clay over sand	-

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/12/2012 (Cont.)	ORT-09	0+00	ORT-09 (0+00)	-	0	0.1	0.5	-	-	Trace silt/sand/gravel/rock	-
		0+05	ORT-09 (0+05)	1555	5	0.4	0.6	0.8	0.8	Trace silt/sand/gravel/rock	Yes
		0+10	ORT-09 (0+10)	1600	10	0.5	1.0	0.9	0.9	Trace silt/sand/gravel/rock	No
		0+39	ORT-09 (0+39)	1605	39	0.8	0.2	0.5	0.5	Trace silt/sand/gravel/rock	No
		0+68	ORT-09 (0+68)	1615	68	2.2	0.8	0.7	0.6	Trace silt/sand/gravel/rock	Yes
		0+97	ORT-09 (0+97)	1625	97	2.7	1.3	1.1	0.9	Trace silt/sand/gravel/rock	No
		1+26	ORT-09 (1+26)	1635	126	2.7	0.3	0.3	0.3	Trace silt/sand/gravel/rock	No
		1+55	ORT-09 (1+55)	1640	155	2.1	0.2	0.2	0.2	Trace silt/sand/gravel/rock	No
		1+84	ORT-09 (1+84)	1700	184	1.6	0.6	0.4	0.2	Trace silt/sand/gravel/rock	Yes
		2+16	ORT-09 (2+16)	1715	216	1.6	2.6	1.3	1.0	Trace silt/sand/gravel/rock	Yes
		2+21	ORT-09 (2+21)	1730	221	1.7	2.0	1.3	0.9	Trace silt/sand/gravel/rock	No
		2+26	ORT-09 (2+26)	-	226	0.8	4.6	-	-	Trace silt/sand/gravel/rock	-
		0+00	ORT-08 (0+00)	-	0	0.0	12.0	-	-	N/A	-
10/13/2012	ORT-08	0+05	ORT-08 (0+05)	910	5	0.5	10.5	6.4	5.0	N/A	No
		0+10	ORT-08 (0+10)	920	10	0.7	10.8	7.0	5.3	N/A	Yes
		0+40	ORT-08 (0+40)	940	40	2.3	11.2	4.8	4.6	N/A	No
		0+70	ORT-08 (0+70)	1015	70	6.6	6.4	3.9	3.5	N/A	No
		1+00	ORT-08 (1+00)	1050	100	6.6	4.4	4.3	3.8	N/A	Yes
		1+30	ORT-08 (1+30)	1110	130	6.0	4.5	5.0	4.3	N/A	No
		1+60	ORT-08 (1+60)	1120	160	4.6	3.9	3.0	2.3	N/A	Yes
		1+90	ORT-08 (1+90)	1130	190	4.0	2.4	3.0	2.5	N/A	No
		2+18	ORT-08 (2+18)	1200	218	3.3	4.0	3.5	2.9	N/A	Yes
		2+23	ORT-08 (2+23)	1230	223	1.6	6.4	3.0	2.8	N/A	No
		2+28	ORT-08 (2+28)	-	228	0.8	6.6	-	-	Clay	-
	ORT-11	0+00	ORT-11 (0+00)	1330	0	1.7	6.5	-	-	Clay/sand	-
		0+05	ORT-11 (0+05)	1350	5	2.3	6.4	4.7	4.3	N/A	Yes
		0+10	ORT-11 (0+10)	1410	10	4	6.4	3.0	2.8	N/A	No
		0+36	ORT-11 (0+36)	1430	36	4.4	1.9	1.4	1.4	N/A	Yes
		0+62	ORT-11 (0+62)	1450	62	5	2.5	0.8	0.8	N/A	No
		0+88	ORT-11 (0+88)	1510	88	5.2	0.6	0.9	0.9	N/A	No
		1+14	ORT-11 (1+14)	1530	114	4.4	1.6	1.6	1.2	N/A	No
		1+40	ORT-11 (1+40)	1550	140	4.3	2.1	2.0	1.5	N/A	No
		1+66	ORT-11 (1+66)	1610	166	3.8	2.8	2.5	2.3	N/A	Yes
		1+93	ORT-11 (1+93)	1620	193	3	3.3	2.7	2.3	N/A	Yes
		1+98	ORT-11 (1+98)	1630	198	1.5	5.1	2.3	1.8	N/A	No
		2+03	ORT-11 (2+03)	-	203	0.1	0.3	-	-	Sand/rock	-

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/17/2012	ORT-14	0+00	ORT-14 (0+00)	-	0	1.1	5.5	-	-	Silty clay over hard pack sand	-
		0+05	ORT-14 (0+05)	845	5	4.5	1.3	1.3	1.2	Silty clay over sand	Yes
		0+10	ORT-14 (0+10)	900	10	5.0	0.6	0.8	0.8	Sand/gravel	No
		0+23.5	ORT-14 (0+23.5)	915	23.5	5.1	0.5	0.9	0.8	Sand/gravel	Yes
		0+37	ORT-14 (0+37)	930	37	5.7	0.3	0.7	0.7	Sand/gravel/rock	Yes
		0+50.5	ORT-14 (0+50.5)	945	50.5	6.2	0.1	-	-	Trace sand/gravel/rock	-
		0+64	ORT-14 (0+64)	1000	64	6.4	0.2	-	-	Trace sand/gravel/rock	-
		0+77.5	ORT-14 (0+77.5)	1015	77.5	6.2	0.1	-	-	Trace sand/gravel/rock	-
		0+91	ORT-14 (0+91)	1030	91	5.8	-	-	-	Gravel/cobbles/rock	-
		1+05	ORT-14 (1+05)	1045	105	3.5	1.1	0.4	0.4	Gravel/cobbles/rock	No
		1+10	ORT-14 (1+10)	1100	110	2.3	1.3	1.1	1.0	Trace sand/gravel/rock over tight sand	Yes
		1+15	ORT-14 (1+15)	-	115	1.4	0.6	-	-	Trace sand/gravel/rock	-
	ORT-16	0+00	ORT-16 (0+00)	-	0	0.1	0.5	-	-	Medium to coarse sand/gravel/rock/cobble	-
		0+05	ORT-16 (0+05)	1100	5	1.5	0.5	0.6	0.6	Medium to coarse sand/gravel/rock/cobble	No
		0+10	ORT-16 (0+10)	1115	10	2.3	1.0	0.8	0.4	Medium to coarse sand/gravel/rock/cobble	Yes
		0+25	ORT-16 (0+25)	1138	25	4.1	0.5	0.4	0.2	Medium to coarse sand, trace medium to coarse sand/gravel/rock/cobble	Yes
		0+40	ORT-16 (0+40)	-	40	5.0	0.2	-	-	Gravel/cobble/rock	-
		0+55	ORT-16 (0+55)	-	55	5.9	0.1	-	-	Gravel/rock/cobble	-
		0+70	ORT-16 (0+70)	1200	70	6.9	0.4	0.6	0.6	Medium to coarse sand/rock/gravel	Yes
		0+85	ORT-16 (0+85)	1210	85	7.0	0.4	0.4	0.3	Medium to coarse sand/rock/gravel	No
		1+00	ORT-16 (1+00)	-	100	6.4	0.2	-	-	Medium to coarse sand/gravel/rock/cobble	No
		1+15	ORT-16 (1+15)	1220	115	4.4	1.2	0.8	0.8	Silty clay to fine sand over hard pack sand	Yes
		1+20	ORT-16 (1+20)	1230	120	3.3	2.2	2.0	1.5	Silty clay to fine sand over rock	No
		1+25	ORT-16 (1+25)	-	125	1.5	3.8	-	-	N/A	-
	ORT-17	0+00	ORT-17 (0+00)	-	0	0.1	1.3	-	-	Sand/gravel	-
		0+05	ORT-17 (0+05)	1340	5	0.9	2.3	1.3	1.1	Silt over sand/gravel	No
		0+10	ORT-17 (0+10)	1355	10	1.6	1.8	1.7	1.5	Silt over sand/gravel	Yes
		0+33.5	ORT-17 (0+33.5)	1410	33.5	4.4	0.7	0.3	0.3	Medium to coarse sand/gravel - rock surface	No
		0+57	ORT-17 (0+57)	1425	57	4.0	0.6	0.7	0.7	Medium to coarse sand/gravel - rock surface	Yes
		0+80.5	ORT-17 (0+80.5)	1440	80.5	3.1	1.9	1.2	0.8	Coarse sand/gravel	No
		1+04	ORT-17 (1+04)	1455	104	3.8	0.2	-	-	Coarse sand/gravel	-
		1+27.5	ORT-17 (1+27.5)	1500	127.5	3.7	0.7	0.5	0.4	Coarse sand/gravel	No
		1+51	ORT-17 (1+51)	1515	151	3.9	0.9	0.9	0.8	Coarse sand/gravel	Yes
		1+75	ORT-17 (1+75)	1530	175	3.1	1.6	1.4	1.1	Silty sand	No
		1+80	ORT-17 (1+80)	1545	180	2.3	2.2	2.2	1.9	Silty clay/sand/rock	Yes
		1+85	ORT-17 (1+85)	-	185	1.2	3.1	-	-	N/A	-

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/23/2012	ORT-22	0+00	ORT-22 (0+00)	-	0	0.1	1.5	-	-	Silty sand	-
		0+05	ORT-22 (0+05)	1615	5	0.6	1.1	1.0	1.0	Silty sand over rock	Yes
		0+10	ORT-22 (0+10)	1625	10	1.4	2.3	0.8	0.8	Silty sand over rock	No
		0+31	ORT-22 (0+31)	-	31	3.5	0.2	-	-	Sand/gravel over rock	-
		0+52	ORT-22 (0+52)	-	52	4.5	0.2	-	-	Sand between rock	-
		0+73	ORT-22 (0+73)	-	73	4.8	0.3	-	-	Sand between rock	-
		0+94	ORT-22 (0+94)	-	94	5.4	0.2	-	-	Sand between rock	-
		1+15	ORT-22 (1+15)	-	115	6.4	0.2	-	-	Sand between rock	-
		1+36	ORT-22 (1+36)	-	136	6.4	0.1	-	-	Sand between rock	-
		1+58	ORT-22 (1+58)	1600	158	4.0	1.1	0.5	0.0	Sand/gravel between rock	Yes
		1+62	ORT-22 (1+62)	-	162	2.5	0.1	-	-	Sand/gravel between rock	-
		1+68	ORT-22 (1+68)	-	168	1.0	1.0	-	-	Sand, gravel, rock over tight sand	-
	ORT-23	0+00	ORT-23 (0+00)	-	0	0.1	1.2	-	-	Silty sand over rock	-
		0+05	ORT-23 (0+05)	1440	5	1.0	1.5	0.6	0.6	Silty sand over rock	Yes
		0+10	ORT-23 (0+10)	-	10	2.2	0.1	-	-	Sand between rock	-
		0+32	ORT-23 (0+32)	-	32	2.8	0.3	-	-	Sand between rock	-
		0+54	ORT-23 (0+54)	-	54	3.5	0.2	-	-	Sand/gravel over rock	-
		0+76	ORT-23 (0+76)	-	76	4.4	0.2	-	-	Sand between rock	-
		0+98	ORT-23 (0+98)	-	98	5.0	0.5	-	-	Sand between rock	-
		1+20	ORT-23 (1+20)	-	120	4.6	0.1	-	-	Medium to coarse sand between rock	-
		1+42	ORT-23 (1+42)	-	142	3.7	0.3	-	-	Sand/gravel over rock	-
		1+68	ORT-23 (1+68)	1415	168	2.6	0.6	1.3	1.3	Sand, gravel between rock and wood	Yes
		1+73	ORT-23 (1+73)	1400	173	2.7	3.5	0.7	0.7	Sand, gravel over tight sand	No
		1+78	ORT-23 (1+78)	-	178	0.1	5.2	-	-	Sand, gravel over tight sand	-
	ORT-24	0+00	ORT-24 (0+00)	-	0	0.9	0.1	-	-	Trace sand, rock	-
		0+05	ORT-24 (0+05)	-	5	1.2	0.2	-	-	Sand between rock	-
		0+10	ORT-24 (0+10)	-	10	1.7	0.2	-	-	Sand between rock	-
		0+33	ORT-24 (0+33)	-	33	2.4	0.2	-	-	Sand between rock	-
		0+56	ORT-24 (0+56)	-	56	2.6	0.3	-	-	Sand between rock	-
		0+79	ORT-24 (0+79)	-	79	2.3	0.2	-	-	Sand between rock	-
		1+02	ORT-24 (1+02)	-	102	3.5	0.1	-	-	Sand between rock	-
		1+25	ORT-24 (1+25)	-	125	5.4	0.0	-	-	Sand between rock	-
		1+48	ORT-24 (1+48)	-	148	3.6	0.3	-	-	Sand between rock	-
		1+70	ORT-24 (1+70)	-	170	2.0	0.2	-	-	Sand, gravel over rock	-
		1+75	ORT-24 (1+75)	-	175	1.5	0.2	-	-	Sand, gravel over rock	-
		1+80	ORT-24 (1+80)	-	180	0.8	0.5	-	-	Silty sand over rock	-

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/23/2012 (Cont.)	ORT-25	0+00	ORT-25 (0+00)	-	0	0.1	0.3	-	-	Sand, gravel, rock, concrete, wood	-
		0+05	ORT-25 (0+05)	-	5	1.7	0.2	-	-	Sand between rock, concrete	-
		0+10	ORT-25 (0+10)	1050	10	1.7	0.6	1.1	1.1	Sand	Yes
		0+33	ORT-25 (0+33)	-	33	6.9	0.1	-	-	Sand between rock	-
		0+56	ORT-25 (0+56)	-	56	5.7	0.1	-	-	Sand between rock	-
		0+79	ORT-25 (0+79)	-	79	4.6	0.4	-	-	Sand between rock	-
		1+02	ORT-25 (1+02)	-	102	4.9	0.1	-	-	Sand, gravel between rock	-
		1+25	ORT-25 (1+25)	1115	125	3.8	0.6	0.6	0.5	Fine to coarse sand, trace gravel over tight sand	Yes
		1+48	ORT-25 (1+48)	1130	148	3.0	0.7	0.9	0.9	Fine to coarse sand, trace gravel over tight sand	Yes
		1+72	ORT-25 (1+72)	1155	172	1.7	1.2	0.8	0.8	Fine to coarse sand, gravel over rock	Yes
		1+77	ORT-25 (1+77)	-	177	1.6	0.1	-	-	Sand between rock	-
		1+82	ORT-25 (1+82)	-	182	1.5	0.1	-	-	Silt, sand over wood	-
	ORT-26	0+00	ORT-26 (0+00)	-	0	0.2	0.3	-	-	Silt/sand/rock	-
		0+05	ORT-26 (0+05)	915	5	1.7	0.9	1.2	1.0	Silt, sand over rock	Yes
		0+10	ORT-26 (0+10)	925	10	1.8	0.3	1.8	1.1	Sand, gravel over rock	Yes
		0+32	ORT-26 (0+32)	-	32	2.4	0.1	-	-	Medium to coarse sand, gravel, rock	-
		0+54	ORT-26 (0+54)	-	54	2.8	0.1	-	-	Medium to coarse sand, gravel between rock	-
		0+76	ORT-26 (0+76)	-	76	4.3	0.1	-	-	Medium to coarse sand, gravel between rock	-
		0+98	ORT-26 (0+98)	-	98	5.7	0.7	-	-	Medium to coarse sand, gravel between rock	-
		1+20	ORT-26 (1+20)	-	120	6.4	0.0	-	-	Medium to coarse sand, gravel between rock (more rock)	-
		1+42	ORT-26 (1+42)	-	142	5.5	0.2	-	-	Medium to coarse sand, gravel between rock	-
		1+62	ORT-26 (1+62)	-	162	4.3	0.3	-	-	Medium to coarse sand, gravel between rock	-
		1+67	ORT-26 (1+67)	1000	167	2.8	1.2	1.3	1.0	Slag, silt, sand over rock	Yes
		1+72	ORT-26 (1+72)	-	172	0.9	3.5	-	-	Silt/sand, slag, roots over rock	-
10/24/2012	ORT-18	0+00	ORT-18 (0+00)	-	0	0.0	1.8	-	-	Sand, gravel, pebble, rock over tight sand	-
		0+05	ORT-18 (0+05)	1330	5	2.0	1.1	0.5	0.5	Sand, gravel over rock	Yes
		0+10	ORT-18 (0+10)	-	10	2.9	0.2	-	-	Sand, gravel over rock	-
		0+30	ORT-18 (0+30)	-	30	4.4	0.0	-	-	Trace medium to coarse sand, gravel over rock	-
		0+50	ORT-18 (0+50)	-	50	4.9	0.0	-	-	Medium to coarse sand, trace gravel, between/over rock	-
		0+70	ORT-18 (0+70)	-	70	4.5	0.2	-	-	Medium to coarse sand, trace gravel, between/over rock	-
		0+90	ORT-18 (0+90)	-	90	4.6	0.3	-	-	Medium to coarse sand, trace gravel, between/over rock	-
		1+10	ORT-18 (1+10)	-	110	5.2	0.2	-	-	Medium to coarse sand, trace gravel, between/over rock	-
		1+30	ORT-18 (1+30)	-	130	5.3	0.7	-	-	Medium to coarse sand, trace gravel, between/over rock	-
		1+48	ORT-18 (1+48)	1300	153	2.5	1.9	2.0	2.0	Silty clay over rock	Yes
		1+53	ORT-18 (1+53)	1245	158	1.9	1.5	1.9	1.7	Silty clay over rock	No
		1+58	ORT-18 (1+58)	-	163	0.1	3.9	-	-	Silty clay over rock	-

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/24/2012 (Cont.)	ORT-20	0+00	ORT-20 (0+00)	-	0	1.9	1.7	-	-	Silty sand over rock	-
		0+05	ORT-20 (0+05)	1510	5	2.8	1.0	0.7	0.7	Silty sand over rock	Yes
		0+10	ORT-20 (0+10)	-	10	3.6	0.2	-	-	Sand/gravel between rock	-
		0+38	ORT-20 (0+38)	-	38	4.5	0.0	-	-	Sand, gravel, pebble, rock	-
		0+66	ORT-20 (0+66)	-	66	3.1	0.0	-	-	Sand, gravel, pebble, rock	-
		0+94	ORT-20 (0+94)	-	94	2.2	0.0	-	-	Sand, gravel, pebble, rock	-
		1+22	ORT-20 (1+22)	-	122	2.0	0.0	-	-	Sand, gravel, pebble, rock	-
		1+50	ORT-20 (1+50)	-	150	2.8	0.1	-	-	Sand, gravel, pebble, rock	-
		1+78	ORT-20 (1+78)	-	178	3.3	0.2	-	-	Sand, gravel, rock	-
		2+06	ORT-20 (2+06)	-	206	1.9	0.4	-	-	Sand, gravel, rock between rock	-
		2+11	ORT-20 (2+11)	1445	211	1.4	1.2	1.0	1.0	Silty sand, gravel over wood	Yes
		2+16	ORT-20 (2+16)	-	216	0.2	0.8	-	-	Silty sand over rock	-
10/25/2012	ORT-02	0+00	ORT-02 (0+00)	-	0	0.6	5.5	-	-	Silty clay, tight sand	Survey Only Transect
		0+05	ORT-02 (0+05)	-	5	4.5	2.2	-	-	Silty clay, tight sand	Survey Only Transect
		0+10	ORT-02 (0+10)	-	10	6.1	2.3	-	-	Sand, clay, rock	Survey Only Transect
		0+20	ORT-02 (0+20)	-	20	7.0	2.2	-	-	Sand, clay, tight sand	Survey Only Transect
		0+30	ORT-02 (0+30)	-	30	6.0	2.2	-	-	Sand, clay, tight sand	Survey Only Transect
		0+50	ORT-02 (0+50)	-	50	5.4	3.1	-	-	Sand, clay, rock	Survey Only Transect
		0+70	ORT-02 (0+70)	-	70	5.0	6.2	-	-	Sand, clay, rock	Survey Only Transect
		0+90	ORT-02 (0+90)	-	90	4.9	7.1	-	-	Sand, clay, hard sand	Survey Only Transect
		1+10	ORT-02 (1+10)	-	110	4.7	6.8	-	-	Sand, clay, hard sand	Survey Only Transect
		1+30	ORT-02 (1+30)	-	130	5.4	5.7	-	-	Sand, clay, hard sand	Survey Only Transect
		1+50	ORT-02 (1+50)	-	150	4.0	8.3	-	-	Sand, clay, hard sand	Survey Only Transect
		1+70	ORT-02 (1+70)	-	170	3.2	8.8	-	-	Sand, clay, hard sand	Survey Only Transect
		1+90	ORT-02 (1+90)	-	190	2.9	7.4	-	-	Sand, clay, hard sand	Survey Only Transect
		2+10	ORT-02 (2+10)	-	210	2.6	6.8	-	-	Sand, clay, hard sand	Survey Only Transect
		2+30	ORT-02 (2+30)	-	230	2.9	5.9	-	-	Sand, clay, hard sand	Survey Only Transect
		2+44	ORT-02 (2+44)	-	244	1.8	6.9	-	-	Sand, clay, hard sand	Survey Only Transect
		2+49	ORT-02 (2+49)	-	249	1.1	7.2	-	-	Sand over hard sand	Survey Only Transect
		2+54	ORT-02 (2+54)	-	254	0.1	9.0	-	-	Sand over hard sand	Survey Only Transect
	ORT-04	0+00	ORT-04 (0+00)	-	0	0.2	4.0	-	-	Silty clay, rock	Survey Only Transect
		0+05	ORT-04 (0+05)	-	5	0.8	4.2	-	-	Silty clay, rock	Survey Only Transect
		0+10	ORT-04 (0+10)	-	10	2.3	3.1	-	-	Silty clay, rock	Survey Only Transect
		0+19	ORT-04 (0+19)	-	19	3.8	2.6	-	-	Sand, clay, rock	Survey Only Transect
		0+29	ORT-04 (0+29)	-	29	2.9	6.1	-	-	Sand, clay, trace sand	Survey Only Transect
		0+49	ORT-04 (0+49)	-	49	3.0	6.8	-	-	Sand, clay, trace sand	Survey Only Transect
		0+69	ORT-04 (0+69)	-	69	3.8	8.5	-	-	Sand, clay, trace sand	Survey Only Transect
		0+89	ORT-04 (0+89)	-	89	4.1	6.4	-	-	Sand, clay, trace sand	Survey Only Transect
		1+09	ORT-04 (1+09)	-	109	4.9	6.3	-	-	Sand, clay, trace sand	Survey Only Transect

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/25/2012 (Cont.)	ORT-04 (Cont.)	1+29	ORT-04 (1+29)	-	129	4.1	7.3	-	-	Sand, clay, trace sand	Survey Only Transect
		1+49	ORT-04 (1+49)	-	149	4.0	7.1	-	-	Sand, clay, trace sand	Survey Only Transect
		1+69	ORT-04 (1+69)	-	169	4.2	6.4	-	-	Sand, clay, rock	Survey Only Transect
		1+89	ORT-04 (1+89)	-	189	4.0	6.5	-	-	Sand, clay, trace sand	Survey Only Transect
		2+09	ORT-04 (2+09)	-	209	3.6	5.3	-	-	Sand, clay, trace sand	Survey Only Transect
		2+29	ORT-04 (2+29)	-	229	3.0	5.2	-	-	Sand, clay, trace sand	Survey Only Transect
		2+49	ORT-04 (2+49)	-	249	3.8	4.7	-	-	Sand, clay, trace sand	Survey Only Transect
		2+69	ORT-04 (2+69)	-	269	3.7	5.3	-	-	Silty sand, clay, rock	Survey Only Transect
		2+89	ORT-04 (2+89)	-	289	2.4	6.1	-	-	Silty clay over fine sand	Survey Only Transect
		2+99	ORT-04 (2+99)	-	299	1.1	7.7	-	-	Silty clay over fine sand	Survey Only Transect
		3+04	ORT-04 (3+04)	-	304	0.4	7.9	-	-	Silty clay over fine sand	Survey Only Transect
		3+09	ORT-04 (3+09)	-	309	0.1	3.6	-	-	Silty clay over wood	Survey Only Transect
	ORT-06	0+00	ORT-06 (0+00)	-	0	1.0	4.7	-	-	Sand, silty clay, rock	Survey Only Transect
		0+05	ORT-06 (0+05)	-	5	2.8	4.8	-	-	Sand, silty clay, rock	Survey Only Transect
		0+10	ORT-06 (0+10)	-	10	2.7	4.8	-	-	Sand, silty clay, rock	Survey Only Transect
		0+20	ORT-06 (0+20)	-	20	2.6	4.9	-	-	Sand, silty clay, rock	Survey Only Transect
		0+40	ORT-06 (0+40)	-	40	1.6	7.6	-	-	Sand, silty clay, tight sand	Survey Only Transect
		0+60	ORT-06 (0+60)	-	60	1.2	8.8	-	-	Sand, silty clay, tight sand	Survey Only Transect
		0+80	ORT-06 (0+80)	-	80	1.7	8.9	-	-	Sand, silty clay, tight sand	Survey Only Transect
		1+00	ORT-06 (1+00)	-	100	2.3	8.0	-	-	Sand, silty clay, tight sand	Survey Only Transect
		1+20	ORT-06 (1+20)	-	120	3.0	7.0	-	-	Sand, silty clay, tight sand	Survey Only Transect
		1+40	ORT-06 (1+40)	-	140	3.9	5.8	-	-	Sand, silty clay, tight sand	Survey Only Transect
		1+60	ORT-06 (1+60)	-	160	5.0	5.0	-	-	Sand, silty clay, tight sand	Survey Only Transect
		1+80	ORT-06 (1+80)	-	180	6.0	5.0	-	-	Sand, silty clay, tight sand	Survey Only Transect
		2+00	ORT-06 (2+00)	-	200	6.8	4.4	-	-	Silty sand, tight sand	Survey Only Transect
		2+20	ORT-06 (2+20)	-	220	7.1	4.6	-	-	Silty sand, tight sand	Survey Only Transect
		2+40	ORT-06 (2+40)	-	240	7.5	5.0	-	-	Silty clay, rock	Survey Only Transect
	ORT-10	2+51	ORT-06 (2+51)	-	251	5.8	5.8	-	-	Silty clay, rock	Survey Only Transect
		2+56	ORT-06 (2+56)	-	256	2.8	7.2	-	-	Silty clay, tight sand	Survey Only Transect
		2+61	ORT-06 (2+61)	-	261	0.4	9.1	-	-	Silty clay	Survey Only Transect
		0+00	ORT-10 (0+00)	-	0	0.2	0.2	-	-	Sand over wood	Survey Only Transect
		0+05	ORT-10 (0+05)	-	5	1.4	0.2	-	-	Sand, gravel, tight sand	Survey Only Transect
		0+10	ORT-10 (0+10)	-	10	2.4	0.9	-	-	Sand, gravel, tight sand	Survey Only Transect
		0+24	ORT-10 (0+24)	-	24	4.6	0.1	-	-	Sand, tight sand	Survey Only Transect
		0+44	ORT-10 (0+44)	-	44	6.5	0.5	-	-	Sand/gravel, rock	Survey Only Transect
		0+64	ORT-10 (0+64)	-	64	6.1	1.2	-	-	Sand, rock	Survey Only Transect
		0+84	ORT-10 (0+84)	-	84	4.5	1.2	-	-	Sand/gravel, rock	Survey Only Transect
		1+04	ORT-10 (1+04)	-	104	4.6	2.4	-	-	Sand/gravel, rock	Survey Only Transect
		1+24	ORT-10 (1+24)	-	124	4.5	0.7	-	-	Sand, rock	Survey Only Transect

See Notes on Page 12.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 2 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Probing Data

Date	Transect	Station	Probe ID	Collection Time	Distance from Left Bank (feet)	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (feet)	Recovery Depth (feet)	Probe Description	Selected for Sampling (Y/N) / Notes
10/25/2012 (Cont.)	ORT-10 (Cont.)	1+44	ORT-10 (1+44)	-	144	4.1	0.4	-	-	Sand, rock	Survey Only Transect
		1+64	ORT-10 (1+64)	-	164	3.6	3.2	-	-	Sand, clay, sand, rock	Survey Only Transect
		1+84	ORT-10 (1+84)	-	184	3.0	2.9	-	-	Sand, silt, clay, tight sand	Survey Only Transect
		2+04	ORT-10 (2+04)	-	204	2.4	4.4	-	-	Sand, silt, clay, tight sand	Survey Only Transect
		2+14	ORT-10 (2+14)	-	214	1.6	4.9	-	-	Silty clay over sand	Survey Only Transect
		2+19	ORT-10 (2+19)	-	219	2.0	5.5	-	-	Silty clay over sand	Survey Only Transect
		2+24	ORT-10 (2+24)	-	224	0.4	6.7	-	-	Silty clay	Survey Only Transect
	ORT-12	0+00	ORT-12 (0+00)	-	0	0.4	0.7	-	-	Silty sand, rock	Survey Only Transect
		0+05	ORT-12 (0+05)	-	5	2.8	0.4	-	-	Sand, gravel, rock	Survey Only Transect
		0+10	ORT-12 (0+10)	-	10	4.0	2.7	-	-	Sand, gravel, rock	Survey Only Transect
		0+18	ORT-12 (0+18)	-	18	5.4	2.6	-	-	Silty clay, rock	Survey Only Transect
		0+28	ORT-12 (0+28)	-	28	5.6	3.5	-	-	Sand, clay, tight sand	Survey Only Transect
		0+38	ORT-12 (0+38)	-	38	7.5	2.1	-	-	Silty sand, rock	Survey Only Transect
		0+48	ORT-12 (0+48)	-	48	9.0	0.2	-	-	Sand, gravel, rock	Survey Only Transect
		0+58	ORT-12 (0+58)	-	58	8.4	0.8	-	-	Sand, rock	Survey Only Transect
		0+68	ORT-12 (0+68)	-	68	8.3	0.7	-	-	Sand, rock	Survey Only Transect
		0+78	ORT-12 (0+78)	-	78	7.4	0.8	-	-	Sand, rock	Survey Only Transect
		0+88	ORT-12 (0+88)	-	88	8.2	2.2	-	-	Sand, rock	Survey Only Transect
		0+98	ORT-12 (0+98)	-	98	8.7	2.0	-	-	Sand, tight sand	Survey Only Transect
		1+08	ORT-12 (1+08)	-	108	8.5	1.6	-	-	Sand, tight sand	Survey Only Transect
		1+18	ORT-12 (1+18)	-	118	7.5	2.9	-	-	Sand over rock	Survey Only Transect
		1+28	ORT-12 (1+28)	-	128	5.9	2.7	-	-	Sand over rock	Survey Only Transect
		1+38	ORT-12 (1+38)	-	138	5.1	2.5	-	-	Silty sand, tight sand	Survey Only Transect
		1+48	ORT-12 (1+48)	-	148	4.3	1.9	-	-	Silty sand, tight sand	Survey Only Transect
		1+58	ORT-12 (1+58)	-	158	3.2	4.9	-	-	Sand, gravel, tight sand	Survey Only Transect
		1+63	ORT-12 (1+63)	-	163	1.7	0.4	-	-	Sand, gravel, rock	Survey Only Transect
		1+68	ORT-12 (1+68)	-	168	0.9	3.5	-	-	Sand, gravel, rock	Survey Only Transect

Notes:

- At some probing transects, cores could not be collected at some locations depending on field conditions.

N/A = not available

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 3 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Data

Date Collected	Location ¹	Date Processed	Processing Time	Core Collection Method	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (inches)	Recovery Depth (inches)
Soil								
10/3/2012	OFP-069	10/4/2012	830	3" Lexan	0	NA	47	40
	OFP-070	10/4/2012	905	3" Lexan	0	NA	36	36
	OFP-071	10/4/2012	930	3" Lexan and Hand Auger	0	NA	25	25
	OFP-072	10/4/2012	955	3" Lexan and Hand Auger	0	NA	24	24
	OFP-073	10/4/2012	1025	3" Lexan and Hand Auger	0	NA	48	46
	OFP-074	10/4/2012	1110	3" Lexan and Hand Auger	0	NA	30	30
	OFP-075	10/4/2012	1135	3" Lexan	0	NA	53	44
	OFP-078	10/4/2012	1210	3" Lexan and Hand Auger	0	NA	30	30
	OFP-079	10/4/2012	1305	3" Lexan and Hand Auger	0	NA	24	24
	OTBN-24	10/4/2012	1330	3" Lexan and Hand Auger	0	NA	30	30
	OTBS-24	10/4/2012	1400	3" Lexan and Hand Auger	0	NA	19	19
	OTBS-32	10/4/2012	1425	3" Lexan and Hand Auger	0	NA	53	53
10/4/2012	OTBS-19	10/4/2012	1930	3" Lexan	0	NA	73	72
	OTBN-19	10/4/2012	2015	3" Lexan and Hand Auger	0	NA	54	48
	OTBN-20	10/4/2012	2055	3" Lexan	0	NA	36	32
	OTBS-20	10/4/2012	2130	3" Lexan and Hand Auger	0	NA	58	57
	OFP-061	10/5/2012	720	3" Lexan and Hand Auger	0	NA	66	65
	OFP-062	10/5/2012	800	3" Lexan	0	NA	76	70
	OFP-063	10/5/2012	850	3" Lexan and Hand Auger	0	NA	66	66
	OFP-064	10/5/2012	930	3" Lexan and Hand Auger	0	NA	68	60
	OFP-065	10/5/2012	1020	3" Lexan	0	NA	93	93
	OFP-066	10/9/2012	1315	3" Lexan	0	NA	66	56
	OFP-067	10/9/2012	1615	3" Lexan	0	NA	84	82
	OFP-068	10/9/2012	1700	3" Lexan	0	NA	66	66
10/5/2012	OFP-028	10/9/2012	1740	3" Lexan and Hand Auger	0	NA	42	36
	OFP-030	10/9/2012	1805	3" Lexan	0	NA	72	63
	OFP-031	10/10/2012	730	3" Lexan and Hand Auger	0	NA	60	60
	OFP-034	10/10/2012	815	3" Lexan	0	NA	60	44
	OFP-035	10/10/2012	840	3" Lexan	0	NA	76	76
10/8/2012	OTBN-13	10/9/2012	1100	3" Lexan and Hand Auger	0	NA	50	43
	OTBN-15	10/9/2012	1125	3" Lexan	0	NA	70	58
	OTBN-16	10/9/2012	1200	3" Lexan and Hand Auger	0	NA	84	73
	OTBN-17	10/9/2012	1330	3" Lexan and Hand Auger	0	NA	78	70
	OTBN-18	10/9/2012	1420	3" Lexan and Hand Auger	0	NA	59	44
10/9/2012	OFP-016	10/10/2012	930	3" Lexan and Hand Auger	0	NA	65	58
	OFP-023	10/10/2012	1010	3" Lexan and Hand Auger	0	NA	92	91
	OFP-024	10/10/2012	1100	3" Lexan and Hand Auger	0	NA	84	71
	OFP-033	10/10/2012	1155	3" Lexan and Hand Auger	0	NA	86	80
	OFP-037	10/10/2012	1335	3" Lexan and Hand Auger	0	NA	76	61
	OFP-038	10/10/2012	1415	3" Lexan and Hand Auger	0	NA	79	74
	OFP-043	10/10/2012	1500	3" Lexan	0	NA	66	59
	OFP-057	10/10/2012	1540	3" Lexan	0	NA	77	68
	OFP-059	10/10/2012	1615	3" Lexan and Hand Auger	0	NA	79	79
	OFP-060	10/10/2012	1705	3" Lexan	0	NA	80	80
	OFP-080	10/10/2012	1755	3" Lexan and Hand Auger	0	NA	34	34
	OFP-081	10/10/2012	1820	3" Lexan and Hand Auger	0	NA	48	48
10/14/2012	OTBN-01	10/17/2012	845	Hand Auger	0	NA	18	18
	OTBS-01	10/17/2012	900	Hand Auger	0	NA	118	118
	OTBN-02	10/17/2012	1005	Hand Auger	0	NA	48	48
	OTBS-02	10/17/2012	1035	Hand Auger	0	NA	72	72
	OTBN-04	10/17/2012	1115	Hand Auger	0	NA	36	36
	OTBS-04	10/17/2012	1145	Hand Auger	0	NA	70	70
	OTBN-05	10/17/2012	1225	Hand Auger	0	NA	60	60
	OTBS-05	10/17/2012	1305	Hand Auger	0	NA	114	114

See Note on Page 4.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 3 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Data

Date Collected	Location ¹	Date Processed	Processing Time	Core Collection Method	Water Depth (feet)	Probe Depth (feet)	Penetration Depth (inches)	Recovery Depth (inches)
Sediment (Cont.)								
10/23/2012	ORT-22 (0+05)	10/24/2012	945	3" Lexan	0.6	1.1	12	12
	ORT-22 (0+10)	10/24/2012	955	3" Lexan	1.4	2.3	10	10
	ORT-23 (0+05)	10/24/2012	1030	3" Lexan	1.0	1.5	7	7
	ORT-23 (1+68)	10/24/2012	1040	3" Lexan	2.6	0.6	16	16
	ORT-23 (1+73)	10/24/2012	1050	3" Lexan	2.7	3.5	8	8
	ORT-25 (0+10)	10/24/2012	1125	3" Lexan	1.7	0.6	13	13
	ORT-25 (1+25)	10/24/2012	1135	3" Lexan	3.8	0.6	7	6
	ORT-25 (1+48)	10/24/2012	1145	3" Lexan	3.0	0.7	11	11
	ORT-25 (1+72)	10/24/2012	1155	3" Lexan	1.7	1.2	10	10
	ORT-26 (0+05)	10/24/2012	1300	3" Lexan	1.7	0.9	14	12
	ORT-26 (0+10)	10/24/2012	1310	3" Lexan	1.8	0.3	22	13
	ORT-26 (1+67)	10/24/2012	1315	3" Lexan	2.8	1.2	16	12
10/24/2012	ORT-18 (0+05)	10/25/2012	930	3" Lexan	2.0	1.1	6	6
	ORT-18 (1+48)	10/25/2012	940	3" Lexan	2.5	1.9	24	24
	ORT-18 (1+53)	10/25/2012	950	3" Lexan	1.9	1.5	23	20
	ORT-20 (0+05)	10/25/2012	1040	3" Lexan	2.8	1.0	8	8
	ORT-20 (2+11)	10/25/2012	1050	3" Lexan	1.4	1.2	12	12

Note:

1. Soil core locations OFP-016, OFP-023, OFP-24, OFP-033, OFP-37, OFP-38, and OFP-43 were re-occupied to penetrate dry hard-packed clay encountered that was impenetrable using Lexan. No samples were analyzed from the original cores.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil				
10/4/2012	OFP-069	10/3/2012	0 - 3	Brown silt with clay, little organics (roots)
			3 - 9	Gray brown clay with silt, trace organics (roots)
			9 - 10	No recovery
			10 - 23	Gray brown silt with clay, mottled with orange brown silt with clay, trace organics (roots)
			23 - 29	Dark brown silt, little clay, trace fine to medium sand, trace organics (roots)
			29 - 36	Gray brown very fine to medium sand, trace organics (roots, leaves)
			36 - 40	Dark gray brown fine to medium sand, little silt
	OFP-070	10/3/2012	0 - 6	Dark brown silt, little clay, trace organics (roots)
			6 - 12	Light gray brown silt with clay, trace organics (roots)
			12 - 13	No recovery
			13 - 22	Brown silt with clay, trace organics (roots)
			22 - 27	Black clay with silt, trace fine sand, trace organics (roots)
			27 - 36	Yellowish gray brown fine to coarse sand, trace silt, trace organics (wood)
	OFP-071	10/3/2012	0 - 9	Brown fine to coarse sand with silt, trace organics (roots)
			9 - 17	Orangish brown fine to very coarse sand, trace small to medium pebbles, trace organics (roots, shells)
			17 - 19	Orange brown fine to very coarse sand, trace small to medium pebbles, trace organics (roots, shells)
			19 - 23	Yellowish gray brown fine to very coarse sand, little small pebbles, trace large pebbles, trace organics (roots, shells)
			23 - 25	Yellowish brown small to large pebbles, trace coarse sand, trace organics (shells)
	OFP-072	10/3/2012	0 - 11	Dark brown silt with fine to medium sand, trace coarse sand, trace organics (roots, leaves, moths, wood)
			11 - 13	No recovery
			13 - 18	Dark brown fine to coarse sand, trace small to medium pebbles, 1" seam of light gray fine to medium sand at 17-18"
			18 - 24	Yellowish gray fine to very coarse sand, trace small to medium pebbles, trace organics (shells)
	OFP-073	10/3/2012	0 - 11	Dark brown silt, some clay, trace fine to medium sand, trace coarse sand, trace organics (roots)
			11 - 24	Orangish brown very fine to coarse sand, trace clay, trace small to large pebbles, trace cobbles
			24 - 26	Orangish brown little gray brown very fine to coarse sand, trace small to medium pebbles
			26 - 46	Light orangish brown very fine to medium sand, trace coarse sand, trace small pebbles, trace biota (worm)
	OFP-074	10/3/2012	0 - 12	Dark brown grading to dark gray brown clay with silt, little organics (roots)
			12 - 13	No recovery
			13 - 24	Dark gray brown grading to dark brown clay with silt, trace fine sand, trace organics (roots, wood)
			24 - 28	Dark brown silt, little clay, trace fine sand, trace small pebbles, trace organics (wood, roots)
			28 - 30	Gray brown fine to very coarse sand, trace small to large pebbles, trace organics (wood)
	OFP-075	10/3/2012	0 - 6	Dark brown organic silt
			6 - 16	Dark gray brown clay with silt, trace organics (roots)
			16 - 17	No recovery
			17 - 23	Dark gray brown clay with silt, trace organics (roots)
			23 - 38	Dark brown black silt with clay, trace organics (roots, wood), trace fine sand, trace rubber band, slight odor
			38 - 44	Dark gray brown very fine to coarse sand, trace organics (wood, shells)
	OFP-078	10/3/2012	0 - 16	Dark brown silt, little fine sand, little organics (roots)
			16 - 30	Yellow gray brown very fine to coarse sand, little small to medium pebbles, trace large pebbles, trace organics (roots, shells)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/4/2012 (Cont.)	OFP-079	10/3/2012	0 - 8	Dark brown organic silt
			8 - 10	No recovery
			10 - 14	Dark brown silt, some organics, little clay
			14 - 22	Gray brown grading to dark gray very fine to medium sand, some silt, trace organics (roots)
			22 - 24	Gray brown very fine to very coarse sand, trace small to very large pebbles
	OTBN-24	10/3/2012	0 - 6	Dark brown silt, some organics, little clay
			6 - 11	Dark gray brown clay, some silt, trace fine sand, trace organics (roots)
			11 - 13	No recovery
			13 - 18	Dark gray brown clay, little silt, trace fine sand, trace organics (roots)
			18 - 24	Dark brown silt, little clay, trace fine sand, trace organics (roots, wood)
			24 - 30	Dark gray brown grading to black fine to medium sand, little silt, trace small pebbles, trace organics (roots, leaves, shells)
OTBS-24	OTBS-24	10/3/2012	0 - 8	Brown silt with clay, little organics (roots)
			8 - 12	No recovery
			12 - 19	Dark gray brown silt, little clay, little fine to medium sand, trace organics (roots), trace small pebbles
	OTBS-32	10/3/2012	0 - 4	Dark brown clay with silt, some organics (roots)
			4 - 12	Light gray clay with silt, trace organics (roots), trace fine sand, trace biota (worm)
			12 - 13	No recovery
			13 - 24	Gray brown silt, little clay, little fine to medium sand, trace organics (roots)
			24 - 30	Orangish brown silt, little clay, trace fine sand, trace organics (roots)
			30 - 36	Dark brown black silt with clay, trace fine sand, trace organics (roots, wood)
OTBS-19	OTBS-19	10/4/2012	36 - 46	Dark brown black silt, little clay, seam of gray brown sand at 40-41", trace organics (roots)
			46 - 53	Yellowish gray very fine to very coarse sand, trace silt, trace organics (roots, shells)
			0 - 4	Brown clay with silt, some organics (roots)
			4 - 14	Dark gray mottled with gray brown clay with silt, trace organics (roots)
			14 - 16	No recovery
			16 - 19	Dark gray brown silt with clay, trace organics (roots)
OTBN-19	OTBN-19	10/4/2012	19 - 29	Gray brown fine to coarse sand, seam of light brown fine to coarse sand at 22-24", trace organics (roots), trace silt
			29 - 72	Dark gray grading to black silt with clay, trace fine to medium sand, trace organics (roots, leaves), strong odor
			0 - 4	Gray brown silt with clay, little organics (roots)
			4 - 6	Light gray clay with silt, trace organics (roots)
			6 - 24	Light gray brown grading to gray brown clay with silt, trace organics (roots)
			24 - 29	Gray brown silt, some clay, trace medium to coarse sand, trace organics (roots)
OTBN-20	OTBN-20	10/4/2012	29 - 36	Brown silt with clay, trace coarse sand, trace organics (roots)
			36 - 45	Dark gray brown silt with clay, trace organics (roots, leaves), seam of black silt at 40-42"
			45 - 48	Brown fine to medium sand, little silt, trace organics (wood, shells)
			0 - 6	Gray brown clay with silt, trace organics (roots), trace small pebbles
			6 - 14	Dark gray brown silt with clay, trace organics (roots), trace small pebbles
			14 - 16	No recovery

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/4/2012 (Cont.)	OTBS-20	10/4/2012	0 - 8	Brown silt, little clay, little fine sand, little organics (roots), trace plastic
			8 - 18	Light gray clay with silt, trace organics (roots)
			18 - 24	Gray brown silt with clay, trace fine to medium sand, trace organics (roots)
			24 - 36	Dark gray brown silt with clay, trace fine sand, trace organics (roots)
			36 - 57	Black silt, some clay, strong odor, seam of fine to medium sand at 42", trace organics (leaves, roots)
10/5/2012	OFP-061	10/4/2012	0 - 4	Brown silt, some clay, some organics (roots)
			4 - 12	Gray brown clay with silt, trace organics (roots)
			12 - 24	Brown silt with clay, trace organics (roots)
			24 - 36	Dark brown silt with clay
			36 - 56	Dark brown grading to black silt with clay, trace organics (roots), moderate odor, trace fine sand
			56 - 65	Brown silt with fine to medium sand, trace organics (roots)
	OFP-062	10/4/2012	0 - 6	Brown clay with silt, little organics (roots)
			6 - 13	Gray brown silt with clay, trace organics (roots)
			13 - 14	No recovery
			14 - 29	Brown grading to dark gray brown silt, some clay, trace organics (roots), trace fine to medium sand, seam of light brown very fine sand at 20"
			29 - 38	Black fine to medium sand, little silt, trace organics (roots, wood)
			38 - 48	Light gray brown fine to medium sand
			48 - 52	Dark brown fine to medium sand, trace organics (roots)
			52 - 65	Gray brown fine to coarse sand, trace organics (roots, shells)
			65 - 70	Dark gray clay with silt, slight odor, little small pebbles, little fine to coarse sand
			0 - 6	Gray brown clay with silt, little organics (roots)
OFP-063	OFP-063	10/4/2012	6 - 13	Brown silt with clay, trace organics (roots), seam of light brown fine to medium sand at 9"
			13 - 14	No recovery
			14 - 23	Brown silt with clay, trace organics (roots), seam of light brown fine to medium sand at 22"
			23 - 28	Dark brown fine to medium sand, some silt, trace organics (roots)
			28 - 31	No recovery
			31 - 34	Dark brown fine to medium sand, some silt, trace organics (roots), trace coarse sand
			34 - 36	Dark brown fine to medium sand with silt, trace coarse sand, trace organics (roots)
			36 - 62	Dark brown grading to dark gray brown fine to medium sand, little silt, trace organics (roots)
			62 - 66	Yellowish gray fine to very coarse sand, little small to medium pebbles
			0 - 13	Gray brown grading to brown clay, some silt, trace organics (roots), seam of light brown fine to medium sand at 6-8"
			13 - 14	No recovery
			14 - 23	Brown silt with clay, trace organics (roots), trace fine to medium sand
			23 - 25	Dark brown silt, some clay, trace organics (roots), trace fine to medium sand
			25 - 26	Brown fine to medium sand with silt, trace clay
OFP-064	OFP-064	10/4/2012	26 - 30	Dark brown clay with silt, trace fine to medium sand, trace organics (roots)
			30 - 36	Dark brown silt, little clay, little fine to medium sand, trace organics (roots)
			36 - 42	Dark brown black silt, some clay, trace organics (roots)
			42 - 54	Dark brown grading to gray brown silt, little clay, trace fine to medium sand
			54 - 60	Light gray clay with silt, trace small to medium pebbles, trace fine to coarse sand

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/5/2012 (Cont.)	OFP-065	10/4/2012	0 - 6	Brown silt with clay, some organics (roots)
			6 - 11	Light gray silt, some clay, trace organics (roots)
			11 - 12	No recovery
			12 - 34	Gray brown grading to black silt with clay, trace organics (roots), strong odor
			34 - 36	No recovery
			36 - 40	Dark gray silt with clay, trace organics (roots), strong odor
			40 - 50	Dark brown very fine to coarse sand, trace silt, trace organics (roots)
			50 - 60	Dark brown black silt with clay, trace organics (roots, wood), trace coarse sand, moderate odor
			60 - 72	Brown fine to coarse sand, trace organics (roots, shells)
			72 - 93	Dark brown black silt, some clay, trace fine to medium sand, trace organics (roots)
10/9/2012	OFP-028	10/5/2012	0 - 6	Brown silt with clay, little organics (roots, grass)
			6 - 13	Brown clay with silt, trace organics (roots)
			13 - 16	No recovery
			16 - 18	Dark brown clay with silt, trace organics (roots)
			18 - 36	Orangish brown clay with silt, trace organics (roots)
	OFP-030	10/5/2012	0 - 6	Brown silt with clay, some organics (roots)
			6 - 14	Gray brown clay with silt, trace organics (roots), trace fine to medium sand
			14 - 16	No recovery
			16 - 23	Dark gray brown clay with silt, trace organics (roots - orangish color around roots)
			23 - 26	Dark gray brown mottled with black silt with clay, slight odor, trace organics (roots)
			26 - 59	Dark brown black silt with clay, trace organics (roots), seam of dark gray brown fine to medium sand at 48", strong odor
10/4/2012	OFP-066	10/4/2012	59 - 63	Brown very fine to medium sand, trace silt, trace organics (roots)
			0 - 6	Brown silt with clay, little organics (roots)
			6 - 17	Gray brown grading to dark gray brown silt with clay, little organics (roots)
			17 - 18	No recovery
			18 - 29	Reddish brown peat, slight odor, trace wood
			29 - 36	Light brown very fine to coarse sand, trace organics (roots)
			36 - 56	Dark brown grading to brown very fine to medium sand with silt, little organics (roots)
	OFP-067	10/4/2012	0 - 6	Brown silt with clay, little organics (roots)
			6 - 10	Gray clay with silt, trace organics (roots), moderate odor
			10 - 12	No recovery
			12 - 82	Black silt with clay, trace fine to medium sand, strong odor, trace organics (roots), seam of gray brown fine to medium sand at 44-47"
10/4/2012	OFP-068	10/4/2012	0 - 6	Brown clay with silt, little organics (roots)
			6 - 12	Dark gray brown clay with silt, trace organics (roots)
			12 - 13	No recovery
			13 - 22	Dark gray brown silt with clay, trace organics (roots)
			22 - 25	Black silt with clay, trace organics (roots), moderate odor
			25 - 30	No recovery
			30 - 39	Black silt with clay, trace organics (roots), strong odor
			39 - 66	Dark gray brown very fine to coarse sand, trace silt, trace clay, trace organics (roots, wood, shell)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/9/2012 (Cont.)	OTBN-13	10/8/2012	0 - 12	Brown grading to gray brown silt with clay, trace organics (roots, wood)
			12 - 24	Brown clay with silt, trace fine to medium sand at 22-24", trace organics (roots)
			24 - 32	Brown silt with clay, trace organics (roots)
			32 - 43	Dark brown grading to black silt, little fine to medium sand, slight odor
	OTBN-15	10/8/2012	0 - 6	Dark brown silt with clay, some organics (roots)
			6 - 48	Light gray grading to dark gray silt, some clay, strong odor, trace organics (roots)
			48 - 58	Dark brown silt with clay, trace organics (roots)
	OTBN-16	10/8/2012	0 - 6	Brown silt, some clay, little organics (roots)
			6 - 24	Gray brown silt with clay, trace organics (roots, wood)
			24 - 36	Brown clay with silt, trace fine to medium sand, trace organics (roots)
			36 - 60	Black silt with clay, trace organics (roots), strong odor
			60 - 70	Dark brown fine to coarse sand, slight odor, seam of silt with clay at 62-64", trace organics (shells)
			70 - 73	Dark brown silt with clay, trace organics (roots), seam of fine to coarse sand at 72-73"
10/10/2012	OTBN-17	10/8/2012	0 - 22	Brown silt with fine sand, trace clay, little organics (roots, wood)
			22 - 36	Gray brown silt with clay, trace organics (roots)
			36 - 42	Dark gray clay with silt, trace organics (roots), trace fine to medium sand, slight odor
			42 - 66	Black silt with clay, seam of fine to coarse sand at 54-55", trace organics (roots, shells), strong odor
			66 - 70	Dark brown fine to coarse sand, little silt, little clay, trace medium pebbles
	OTBN-18	10/8/2012	0 - 6	Brown silt with clay, trace fine to medium sand, trace organics (roots)
			6 - 24	Gray brown clay with silt, trace organics (roots)
			24 - 31	Dark gray mottled with light brown silt with clay, trace organics (roots), moderate odor
			31 - 44	Dark gray brown grading to black silt with clay, trace fine to medium sand, trace organics (roots), strong odor
	OFP-031	10/5/2012	0 - 10	Reddish brown organic silt
			10 - 17	Dark gray silt with clay, trace organics (roots)
			17 - 18	No recovery
			18 - 31	Dark gray silt with clay, trace organics (roots)
			31 - 34	Black silt with clay, strong odor, trace organics (roots)
			34 - 36	No recovery
			36 - 47	Dark gray clay with silt, trace organics (roots)
	OFP-034	10/5/2012	47 - 60	Black grading to dark brown silt with clay, slight odor, trace organics (roots), trace fine to medium sand at 60", trace small to large pebbles at 60"
			0 - 5	Reddish brown organic silt
			5 - 35	Dark gray grading to black clay with silt, trace organics (roots), strong odor
	OFP-035	10/5/2012	35 - 44	Black silt with clay, strong odor
			0 - 5	Reddish brown organic silt
			5 - 16	Light gray grading to dark gray clay with silt, trace organics (roots - orangish color around roots)
			16 - 17	No recovery
			17 - 53	Dark gray brown grading to black clay with silt, strong odor, trace organics (roots)
			53 - 76	Dark brown grading to gray brown very fine to medium sand, trace silt, trace organics (roots)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/10/2012 (Cont.)	OFP-016	10/9/2012	0 - 6	Brown clay with silt, little organics (roots)
			6 - 32	Gray brown clay with silt, trace organics (roots)
			32 - 35	No recovery
			35 - 44	Brown clay with silt, trace fine to medium sand, trace organics (roots)
			44 - 47	Black silt with clay, trace organics (roots), moderate odor
			47 - 58	Dark brown grading to yellowish brown very fine to coarse sand, little silt, trace organics (shells)
			0 - 6	Dark brown clay with silt, trace organics (roots)
	OFP-023	10/9/2012	6 - 54	Brown grading to dark brown clay with silt, trace organics (roots), trace fine to medium sand at 6-10"
			54 - 75	Dark brown black silt with clay, moderate odor, trace organics (roots)
			75 - 85	Light brown very fine to coarse sand, trace silt, trace organics (roots)
			85 - 91	Dark brown very fine to medium sand, trace silt, trace organics (roots)
			0 - 6	Gray brown clay with silt, trace organics (roots, grass)
			6 - 13	Light gray brown clay with silt, trace organics (roots)
			13 - 29	Brown silt with clay, trace fine to medium sand, trace organics (roots)
	OFP-024	10/9/2012	29 - 40	Brown clay with silt, trace organics (leaves, roots)
			40 - 43	Brown silt with clay, little coarse to very coarse sand, trace organics (roots, shells)
			43 - 69	Black silt with clay, trace organics (roots), trace fine to medium sand at 48", strong odor
			69 - 71	Gray brown very fine to coarse sand, trace organics (leaves)
			0 - 6	Gray brown silt with clay, some organics (roots)
			6 - 20	Light gray brown silt with clay, little organics (roots - orange color around roots)
			20 - 31	Dark gray brown silt with clay, little organics (roots, wood), seam of fine to medium sand at 20-21"
	OFP-033	10/9/2012	31 - 48	Dark brown mottled with black silt with clay, trace organics (roots, grass), moderate odor
			48 - 76	Black silt with clay, trace organics (roots), strong odor
			76 - 80	Brown very fine to very coarse sand, trace small pebbles, trace organics (shells)
			0 - 6	Dark gray brown silt with clay, little organics (roots, grass)
			6 - 18	Dark gray brown silt with clay, trace organics (roots, grass)
			18 - 24	Dark brown silt with clay, slight odor, trace organics (roots), trace rubber band
			24 - 36	Dark gray brown clay with silt, trace organics (roots), slight odor
	OFP-037	10/9/2012	36 - 57	Dark brown black silt with clay, trace organics (roots, leaves), strong odor, trace survey staff, seam of fine to coarse sand at 44"
			57 - 61	Brown black silt, little clay, trace organics (roots, leaves)
			0 - 10	Light gray clay with silt, trace organics (roots)
			10 - 11	No recovery
			11 - 24	Light brown silt with clay, trace organics (roots)
			24 - 36	Dark gray brown silt with clay, trace organics (roots)
			36 - 48	Dark brown mottled with black silt with clay, trace organics (grass, roots), slight odor
	OFP-038	10/9/2012	48 - 67	Dark brown grading to black silt with clay, trace organics (roots, shells), trace small pebbles, seam of fine to coarse sand at 50-51", strong odor
			67 - 74	Dark brown silt with very fine to fine sand, trace organics (roots)
			0 - 12	Gray brown clay with silt, little organics (roots)
			12 - 28	Dark gray brown mottled with light gray clay with silt, trace organics (roots - orange color around roots)
			28 - 52	Dark brown grading to black silt with clay, trace organics (roots), strong odor
			52 - 59	Olive brown very fine to medium sand, trace silt, trace organics (shells)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/10/2012 (Cont.)	OFP-057	10/9/2012	0 - 6	Reddish brown organic silt
			6 - 68	Light gray grading to black silt with clay, trace organics (roots), strong odor, seam of fine to medium sand at 54-56"
	OFP-059	10/9/2012	0 - 6	Brown silt with clay, some organics (roots)
			6 - 34	Light gray brown grading to dark gray brown clay with silt, trace organics (roots, grass)
			34 - 48	Dark brown grading to black silt with clay, trace organics (roots), trace fine to medium sand, moderate odor
			48 - 74	Black silt with clay, trace organics (roots), trace rubber band, trace slag, strong odor, trace very fine to medium sand at 69-70"
			74 - 77	Brown fine to very coarse sand, trace small pebbles, trace organics (shells), trace silt
			77 - 79	Dark brown silt with clay, trace organics (roots, leaves)
	OFP-060	10/9/2012	0 - 6	Brown organic silt
			6 - 53	Dark gray brown grading to black silt with clay, trace organics (roots), strong odor
			53 - 80	Reddish brown peat
	OFP-080	10/9/2012	0 - 6	Dark brown silt with clay, trace organics (roots, moth)
			6 - 10	Gray brown silt with clay, trace organics (roots)
			10 - 12	Orangish brown fine to medium sand, little silt, trace clay, trace organics (roots, wood)
			12 - 24	Dark brown fine to medium sand, little silt, little clay, trace organics (roots)
			24 - 34	Orangish brown fine to medium sand, trace small to large pebbles, trace organics (roots, leaves), trace silt
	OFP-081	10/9/2012	0 - 2	Brown organic silt
			2 - 8	Gray brown silt with clay, trace organics (roots)
			8 - 10	No recovery
			10 - 15	Gray brown silt with clay, trace organics (roots)
			15 - 28	Dark brown fine to medium sand with silt, trace clay, trace organics (roots, grass), trace small pebbles
			28 - 48	Orangish brown fine to medium sand, trace small pebbles
10/17/2012	OTBN-01	10/14/2012	0 - 6	Dark brown very fine to medium sand, little silt, trace clay, trace organics (roots, leaves)
			6 - 12	Orangish brown fine to medium sand, trace coarse sand, trace small pebbles, trace organics (roots)
			12 - 18	Orangish brown fine to very coarse sand, trace small to large pebbles, trace organics (roots, wood)
	OTBS-01	10/14/2012	0 - 6	Brown very fine to medium sand, little silt, little organics (roots)
			6 - 12	Brown silt with clay, little fine to medium sand, trace organics (roots)
			12 - 16	Light gray silt with clay, trace fine to medium sand, trace organics (roots)
			16 - 36	Light gray silt with clay, trace fine sand, trace organics (roots), slight odor
			36 - 106	Dark brown black silt with clay, strong odor, trace organics (roots)
			106 - 114	Dark brown very fine to medium sand, trace very coarse sand, trace organics (roots)
			114 - 118	Dark brown fine to medium sand with organics (roots, wood)
	OTBN-02	10/14/2012	0 - 12	Brown grading to gray brown clay with silt, some organics (roots), trace very coarse sand
			12 - 24	Light brown very fine to coarse sand, trace small pebbles, trace organics (roots, shells)
			24 - 36	Brown very fine to very coarse sand, trace small pebbles, trace organics (roots)
			36 - 48	Dark brown very fine to coarse sand, trace very coarse sand, trace organics (roots)
	OTBS-02	10/14/2012	0 - 18	Brown silt, little clay, trace fine sand, little organics (roots, leaves)
			18 - 24	Gray brown silt with clay, little organics (roots)
			24 - 34	Gray silt with clay, trace organics (roots), slight odor
			34 - 60	Dark brown black silt with clay, trace organics (roots), trace coarse sand, strong odor
			60 - 72	Dark brown silt with clay, some very fine to fine sand, trace organics (shells, roots)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/17/2012 (Cont.)	OTBN-04	10/14/2012	0 - 6	Dark brown organic silt
			6 - 20	Light gray grading to dark gray silt with clay, trace fine sand, trace organics (roots), strong odor
			20 - 24	Dark brown silt, little fine to medium sand, trace organics (roots)
			24 - 36	Dark brown very fine to coarse sand, trace silt, trace organics (wood, roots)
	OTBS-04	10/14/2012	0 - 12	Dark brown grading to light gray silt with clay, little organics (roots, wood)
			12 - 50	Dark gray grading to dark brown black silt with clay, trace organics (roots), strong odor
			50 - 70	Dark brown grading to gray brown silt with clay, trace fine to medium sand, trace small to large pebbles, trace organics (roots), slight odor
	OTBN-05	10/14/2012	0 - 12	Dark brown grading to gray brown silt with clay, trace very fine sand, little organics (roots)
			12 - 24	Light gray brown clay with silt, trace organics (roots), trace plastic
			24 - 26	Dark brown silt with clay, trace coarse sand, trace organics (roots wood)
			26 - 42	Brown very fine to very coarse sand, little silt, little clay, trace small pebbles, trace organics (roots, shells)
			42 - 60	Very dark brown grading to light brown very fine to medium sand, trace silt, trace clay, trace organics (roots, wood, grass)
	OTBS-05	10/14/2012	0 - 12	Dark brown silt with clay, little organics (roots)
			12 - 30	Gray silt, some clay, trace organics (roots), moderate odor
			30 - 96	Dark brown black silt with clay, trace organics (roots), strong odor
			96 - 114	Dark brown silt with clay, trace organics (roots, wood), trace fine sand
	OTBN-09	10/15/2012	0 - 24	Brown grading to gray clay with silt, little organics (roots)
			24 - 48	Gray brown grading to dark brown silt with clay, trace organics (roots), trace biota (worm), moderate odor, lens of sand at 24-25", peat at 41-42", sand at 47.5-48"
			48 - 60	Brown very fine to medium sand, trace silt, trace organics (roots)
	OTBS-11	10/15/2012	0 - 6	Brown organic silt
			6 - 24	Gray brown silt with clay, trace organics (roots)
			24 - 44	Dark gray grading to black organic silt with clay, trace organics (roots, shells)
			44 - 73	Gray brown grading to olive gray very fine to fine sand, trace organics (roots), seam of light gray fine to medium sand at 44"
	OTBN-11	10/15/2012	0 - 12	Dark brown grading to dark gray brown silt with clay, trace organics (roots)
			12 - 36	Orangish brown fine to very coarse sand, little small pebbles, trace large pebbles, trace organics (roots)
	OTBN-08	10/15/2012	0 - 12	Brown silt, little clay, trace organics (roots)
			12 - 36	Gray brown grading to light gray silt with clay, trace organics (roots), slight odor
			36 - 76	Dark gray black silt with clay, trace organics (roots), strong odor
			76 - 84	Very dark brown silt, some clay, little very fine to medium sand, trace small pebbles at 84", trace organics (roots, shells)
	OTBS-09	10/15/2012	0 - 12	Brown silt with clay, trace fine sand, trace organics (roots), trace biota (worms)
			12 - 36	Orangish brown very fine to medium sand, trace organics (roots, grass), little small to medium pebbles at 34-36"
	OTBS-17	10/15/2012	0 - 12	Gray brown grading to brown silt, some clay, trace organics (roots, leaves)
			12 - 20	Orangish brown very fine to fine sand, some silt, trace clay, trace organics (roots)
			20 - 24	Gray brown very fine to fine sand, some silt, trace clay, trace organics (roots)
			24 - 36	Yellowish brown very fine to coarse sand, trace small to large pebbles, trace organics (shells)
	OTBS-07	10/15/2012	0 - 24	Brown silt, some very fine to fine sand, little organics (roots)
			24 - 43	Orange brown very fine to medium sand, trace coarse sand, trace organics (wood, roots, shells)
			43 - 48	No recovery
			48 - 60	Orange brown very fine to medium sand, trace coarse sand, trace small pebbles at 59-60", trace organics (wood, roots, shells)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/17/2012 (Cont.)	OTBS-16	10/16/2012	0 - 6	Brown organic silt, trace organics (shells), trace biota (worm)
			6 - 12	Brown silt, some clay, trace very coarse sand, trace small pebbles, trace organics (roots)
			12 - 30	Orangish brown fine to very coarse sand, little small to large pebbles, trace organics (roots, grass)
10/18/2012	OTBS-08	10/15/2012	0 - 12	Brown grading to gray brown silt with clay, trace organics (roots, grass), trace very fine sand
			12 - 30	Dark gray silt, trace clay, trace very fine to fine sand, trace organics (roots)
			30 - 36	Brown very fine to medium sand, trace silt, trace organics (wood, shells)
			36 - 44	Dark brown very fine to medium sand, trace organics (wood, roots, shells), little silt
			44 - 48	Yellowish gray very fine to medium sand, little silt, some clay, trace very coarse sand, trace organics (wood, roots, shells)
	OTBN-07	10/15/2012	0 - 18	Brown organic silt with clay
			18 - 36	Gray brown grading to light gray clay with silt, trace organics (wood, roots), trace plastic, slight odor
			36 - 48	Dark gray silt with clay, trace fine to medium sand, trace organics (roots, shells), moderate odor
			48 - 96	Dark gray brown grading to black silt with clay, trace organics (roots), strong odor
	OTBN-10	10/16/2012	0 - 12	Brown grading to gray brown silt, some clay, trace organics (roots)
			12 - 24	Gray brown silt with clay, trace fine to medium sand, trace organics (roots)
			24 - 36	Dark gray brown silt with clay, trace organics (roots, grass), slight odor
			36 - 66	Black grading to dark brown silt with clay, trace very fine to medium sand at 59-66", seam of sand at 59-60"
			66 - 76	Light brown very fine to medium sand, little silt
	OTBS-10	10/16/2012	0 - 12	Dark brown grading to brown silt with clay, trace fine sand, trace organics (roots, grass), trace very coarse sand
			12 - 15	Orangish brown very fine to medium sand, some silt, trace small to medium pebbles, trace organics (roots)
			15 - 30	Orangish brown fine to very coarse sand, trace small to large pebbles, trace organics (roots, grass)
	OTBS-13	10/16/2012	0 - 10	Dark brown with light brown very fine to fine sand with silt, trace clay, trace organics (roots)
			10 - 18	Dark brown grading to dark gray brown silt with clay, trace very fine to fine sand, trace organics (roots)
			18 - 24	Gray brown silt, some clay, trace organics (roots), trace fine to medium sand
			24 - 36	Light gray silt with clay, trace organics (roots), slight odor
			36 - 78	Black silt with clay, trace organics (roots, wood), moderate odor, seam of fine sand at 62" and 72"
			78 - 80	Brown very fine to medium sand, little silt, trace organics (roots)
			80 - 96	Dark brown very fine to medium sand, little silt, trace organics (roots)
10/19/2012	OTBN-14	10/16/2012	0 - 12	Dark brown very fine to medium sand, little silt, trace organics (roots), trace large pebbles/cobbles at 6-12"
			12 - 24	Light brown very fine to medium sand, trace small pebbles, trace organics (wood, roots)
			24 - 36	Light brown fine to very coarse sand, trace small to medium pebbles, trace organics (roots)
			36 - 48	Light brown very fine to coarse sand, trace very small pebbles, trace organics (roots)
	OTBS-14	10/16/2012	0 - 11	Dark brown silt, some clay, trace organics (roots, grass), trace biota
			11 - 24	Gray brown grading to light gray clay with silt, trace organics (grass, roots)
			24 - 33	Gray brown clay with silt, trace fine to medium sand, trace organics (roots)
			33 - 36	Brown very fine to medium sand, little silt, little clay, trace coarse sand, trace organics (roots)
			36 - 60	Dark brown black silt with clay, moderate odor, seam of fine to medium sand at 56"
			60 - 63	Brown very fine to medium sand, trace organics (shells)
			63 - 75	Dark brown grading to light brown grading to dark brown very fine to medium sand, trace silt, trace coarse to very coarse sand, trace organics (shells)
			75 - 82	Dark brown silt with clay, trace fine to medium sand, trace organics (roots, shells, wood) at 80-82"

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Soil (Cont.)				
10/19/2012 (Cont.)	OTBS-15	10/16/2012	0 - 22	Brown grading to dark brown grading to gray brown silt with very fine sand, trace clay, trace organics (roots)
			22 - 30	Light gray brown silt with clay, little very fine to medium sand, trace organics (roots, wood)
			30 - 32	Orangish brown fine to coarse sand, trace clay, trace small pebbles, trace organics (roots)
			32 - 38	Dark brown silt with clay, little fine to medium sand, trace organics (roots)
			38 - 48	Dark brown silt with clay, trace organics (roots)
			48 - 54	Dark brown silt with clay, trace fine to medium sand, trace organics (roots, shells, wood), moderate odor
			54 - 57	Gray brown very fine to medium sand, trace coarse sand, trace organics (shells, wood)
			57 - 63	Very dark brown silt with clay, trace fine to medium sand at 58-59", moderate odor
			63 - 73	Gray brown fine to coarse sand, trace small pebbles, little organics (shells)
			73 - 76	Dark brown silt with clay, little very fine to fine sand, trace organics (shells)
OTBS-22	OTBS-22	10/16/2012	0 - 6	Brown silt with clay, trace organics (roots, grass)
			6 - 12	Gray brown silt with clay, trace organics (roots)
			12 - 24	Dark brown silt with clay, little very fine to fine sand, trace organics (roots, leaves)
			24 - 36	Brown silt, some very fine to fine sand, trace clay, trace organics (roots)
OTBS-30	OTBS-30	10/16/2012	0 - 6	Dark brown organic silt, trace clay
			6 - 12	Brown silt with clay, trace very coarse sand, trace organics (roots)
			12 - 20	Brown silt with clay, trace fine to medium sand, trace organics (roots, wood, shells), trace rubber wrapper
			20 - 24	Light brown silt with clay, little fine to coarse sand, trace medium to very large pebbles
			24 - 30	Orangish brown very fine to coarse sand, some silt, little clay, little small to large pebbles, trace organics (roots)
OTBS-31	OTBS-31	10/16/2012	0 - 6	Dark brown silt with clay, trace fine sand, trace organics (roots, grass, leaves)
			6 - 12	Brown silt, little clay, little fine sand, trace organics (roots)
			12 - 21	Brown silt with clay, trace very coarse sand, little fine sand, trace organics (roots), trace biota
			21 - 24	Brown very fine to very coarse sand, trace silt, trace large pebbles, trace organics (shells)
			24 - 36	Yellowish brown very fine to very coarse sand, little small to very large pebbles, trace silt, trace organics (roots, shells)
10/25/2012	OFP-076	10/24/2012	0 - 14	Olive brown very fine to medium sand, trace silt, trace organics (roots, leaves, shells)
			14 - 27	Very dark brown very fine to medium sand, trace silt, little organics (wood, roots, leaves)
			27 - 36	Very dark gray grading to black silt with clay, trace organics (roots), strong odor
			36 - 55	No recovery
			55 - 60	Dark gray fine to very coarse sand, little small to medium pebbles
	OFP-077	10/24/2012	0 - 6	Dark brown fine to coarse sand with silt, trace large pebbles, trace organics (roots, leaves)
			6 - 12	Yellowish brown fine to very coarse sand, trace large pebbles, trace organics (roots)
			12 - 18	Orangish brown very fine to very coarse sand, trace silt, trace small to medium pebbles, trace organics (roots)
			18 - 24	Gray fine to very coarse sand, trace silt, trace small pebbles, trace organics (roots)
			24 - 36	Dark brown fine to very coarse sand, trace coal, trace slag, trace organics (roots, shells)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment				
10/11/2012	ORT-07 (0+05)	10/10/2012	0 - 3	Gray brown very fine to medium sand, trace silt, trace organics (roots, shells)
			3 - 8	Light brown very fine to medium sand, trace organics (roots, shells), dark brown striations throughout
			8 - 23	Orangish brown very fine to medium sand, trace organics (leaves, roots)
			23 - 25	Orange brown very fine to coarse sand, trace organics (shells)
			25 - 26	Light grayish brown very fine to medium sand, trace organics (shells)
10/11/2012	ORT-07 (0+10)	10/10/2012	0 - 4	Dark gray brown very fine to medium sand, trace silt, trace organics (roots, leaves)
			4 - 20	Gray brown grading to orangish brown very fine to medium sand, trace silt, trace organics (roots, wood, shells)
			20 - 22	Orange brown very fine to coarse sand, trace small pebbles, trace organics (shells)
10/11/2012	ORT-07 (0+29)	10/10/2012	0 - 7	Dark gray brown very fine to medium sand, trace coarse sand, trace organics (roots)
			7 - 11	Black silt with clay, strong odor, trace organics (roots), trace fine to medium sand at 10.5"
			11 - 16	Dark brown fine to medium sand, trace silt, trace organics (leaves, roots, shells), trace small pebbles
10/11/2012	ORT-07 (0+86)	10/10/2012	0 - 4	Gray brown fine to very coarse sand, little organics (shells, wood), trace small pebbles
10/11/2012	ORT-07 (1+05)	10/10/2012	0 - 12	Orangish brown grading to gray brown very fine to coarse sand, trace organics (shells)
			12 - 14	Gray brown fine to very coarse sand, trace organics (shells)
			14 - 16	Black clay, trace fine to medium sand at 19", strong odor, trace organics (roots) at 0-1"
10/11/2012	ORT-07 (1+24)	10/10/2012	0 - 10	Brown grading to dark gray brown very fine to coarse sand, trace organics (shells)
			10 - 12	Dark gray brown very fine to coarse sand, trace silt, moderate odor, trace organics (shells)
			12 - 14	Black clay, trace fine to medium sand at 19", strong odor, trace organics (roots) at 0-1"
10/11/2012	ORT-07 (1+43)	10/10/2012	0 - 1	Dark brown silt with clay, little fine sand
			1 - 42	Dark brown black silt with clay, strong odor, trace organics (roots)
			42 - 43	Black clay, trace fine to medium sand at 19", strong odor, trace organics (roots)
10/12/2012	ORT-01 (0+05)	10/11/2012	0 - 6	Gray brown fine to very coarse sand, trace silt, trace organics (shells, roots), trace small pebbles
			6 - 43	Black silt with clay, strong odor, trace organics (roots), trace rubber band
			43 - 45	Gray brown very fine to medium sand, trace coarse sand
			45 - 47	Organic seam (leaves, roots, wood), little fine to medium sand, trace silt
			47 - 53	Light gray very fine to medium sand, trace very coarse sand, trace silt
10/12/2012	ORT-01 (0+10)	10/11/2012	0 - 7	Dark gray brown very fine to very coarse sand, little organics (wood, roots, leaves, shells)
			7 - 37	Black silt with clay, strong odor, trace organics (roots)
			37 - 45	Dark brown grading to gray brown silt with clay, trace fine to coarse sand, trace organics (roots, leaves)
			45 - 53	Light brown grading to dark gray brown very fine to medium sand, trace silt, trace organics (roots)
10/12/2012	ORT-01 (0+40)	10/11/2012	0 - 6	Gray brown fine to very coarse sand, little organics (shells), trace small pebbles
			6 - 13	Dark brown organics (wood, leaves, roots, shells), trace silt, trace fine sand
			13 - 19	Gray brown fine to very coarse sand, little organics (shells), trace small pebbles
			19 - 43	Black silt with clay, trace organics (roots, leaves), trace rubber band, strong odor
			43 - 53	Dark brown silt with clay, little fine to medium sand, trace wood, seam of very fine sand at 48"
10/12/2012	ORT-01 (0+70)	10/11/2012	0 - 20	Brown grading to dark gray brown well graded very fine to coarse sand, trace small pebbles, trace silt, trace organics (shells, leaves, roots)
			20 - 22	Olive gray very fine to medium sand, trace organics (shells)
			22 - 46	Black silt with clay, trace fine to medium sand at 34-35", trace organics (roots, leaves, wood), strong odor
			46 - 53	Dark brown silt with clay, trace fine to medium sand at 46"
10/12/2012	ORT-01 (1+00)	10/11/2012	0 - 35	Brown grading to gray brown very fine to coarse sand, very coarse sand at 20-23", trace organics (shells)
			35 - 60	Black silt with clay, strong odor, trace fine to medium sand at 36"

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment (Cont.)				
10/12/2012 (Cont.)	ORT-01 (1+30)	10/11/2012	0 - 38	Brown grading to gray brown very fine to coarse sand, trace organics (shells)
			38 - 60	Black silt with clay, strong odor
			60 - 70	Dark brown silt with clay, fine to medium sand at 60-61", seam of light brown silt with clay at 67"
	ORT-01 (1+60)	10/11/2012	0 - 6	Brown very fine to very coarse sand, trace organics (shells, roots)
			6 - 20	Dark gray very fine to very coarse sand, moderate odor at 9-20", trace organics (shells, roots)
			20 - 35	Gray brown very fine to very coarse sand, moderate odor at 20-24", trace organics (shells, roots)
			35 - 58	Black silt with clay, strong odor, trace organics (shells)
			58 - 62	Dark brown silt with clay, slight odor, fine to medium sand at 58", seam of light gray brown sand at 61"
	ORT-01 (1+90)	10/11/2012	0 - 5	Brown very fine to coarse sand, trace very coarse sand, trace slag, trace organics (wood, shells, roots)
			5 - 38	Dark gray very fine to coarse sand, trace very coarse sand, trace slag, trace organics (wood, shells, roots)
			38 - 59	Gray brown very fine to coarse sand, trace very coarse sand, trace slag, trace organics (wood, shells, roots), black seam at 56-57"
			59 - 71	Black grading to dark brown silt with clay, trace very coarse sand, trace small pebbles at 71", light gray brown seam at 63"
			0 - 12	Brown grading to black grading to gray brown very fine to very coarse sand, little small to medium pebbles
	ORT-01 (2+17)	10/11/2012	12 - 15	Dark gray brown very fine to medium sand, trace coarse sand, trace small pebbles
			15 - 18	Dark brown organics (wood, leaves, roots), some silt, little fine to medium sand
			0 - 3	Brown small to large pebbles, trace organics (roots, leaves), trace fine to medium sand
			3 - 6	Gray brown silt with clay, some fine to very coarse sand, trace organics (roots, leaves), trace small to medium pebbles
			6 - 22	Light gray brown very fine to medium sand, little silt, trace clay, trace organics (roots, shells)
			22 - 27	Pinkish gray silt with very fine sand, some clay, trace organics (roots)
10/15/2012	ORT-03 (0+05)	10/12/2012	0 - 3	Dark brown silt with fine to medium sand, little organics (roots, leaves), trace small pebbles
			3 - 11	Brown fine to very coarse sand, trace small pebbles, trace organics (roots)
			11 - 20	Dark brown silt with fine to medium sand, trace coarse sand, trace small pebbles
	ORT-03 (0+10)	10/12/2012	0 - 9	Dark gray brown very fine to very coarse sand, trace silt, trace organics (roots), trace very small pebbles
			9 - 15	Brown silt with clay, little fine to medium sand, trace organics (roots), trace small pebbles
	ORT-03 (0+47)	10/12/2012	0 - 24	Brown grading to dark gray very fine to very coarse sand (poorly sorted), trace organics (roots, shells), slight odor at 18-24"
			24 - 58	Black silt with clay, trace organics (roots), strong odor
	ORT-03 (0+84)	10/12/2012	0 - 2	Dark brown organic silt (leaves, roots)
			2 - 34	Brown grading to dark gray grading to gray brown very fine to very coarse sand, trace organics (shells), poorly sorted
			34 - 37	Light gray brown very fine to medium sand
			37 - 67	Black silt with clay, trace organics (roots), strong odor
	ORT-03 (1+21)	10/12/2012	0 - 41	Brown grading to dark gray grading to gray brown very fine to very coarse sand (poorly sorted), trace slag, trace organics (shells), trace small pebbles, seam of organics (wood, roots) at 30-36"
			41 - 70	Black silt with clay, strong odor
	ORT-03 (1+58)	10/12/2012	0 - 18	Brown grading to dark gray very fine to very coarse sand, trace clay with silt at 15-17", trace slag, trace organics (shells)
			18 - 26	Gray brown very fine to medium sand, trace organics (roots, wood, shells)
			26 - 48	Gray brown very fine to very coarse sand, trace organics (shells), trace small to large pebbles
	ORT-03 (1+99)	10/12/2012	0 - 23	Brown grading to gray brown very fine to coarse sand, trace organics (grass, roots, shells), trace medium pebbles
			23 - 32	Olive brown very fine to medium sand, trace organics (shells, roots, wood)
			32 - 46	Brown very fine to very coarse sand, trace slag, trace organics (roots, shells)
			46 - 62	Black silt with clay, trace organics (roots), strong odor

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment (Cont.)				
10/15/2012 (Cont.)	ORT-03 (2+36)	10/12/2012	0 - 27	Brown grading to gray brown very fine to coarse sand, trace small pebbles, trace organics (shells)
			27 - 31	Dark gray brown very fine to medium sand, trace slag, trace organics (roots, shells), trace small pebbles
			31 - 45	Dark brown grading to gray brown silt, some clay, trace organics (roots, shells, wood), trace fine sand
	ORT-03 (2+68)	10/12/2012	0 - 4	Gray brown fine to coarse sand, some clay with silt, little organics (shells, roots)
			4 - 29	Black grading to dark brown silt with clay, trace organics (roots), trace rubber band, moderate odor
			29 - 41	Reddish brown organic silt (wood, roots, leaves), seam of fine to medium sand at 39"
	ORT-03 (2+73)	10/12/2012	0 - 27	Dark brown grading to black clay with silt, strong odor, trace organics (roots), trace rubber band, trace fine sand
			27 - 50	Reddish brown organic silt, seam of light brown very fine to fine sand at 35-37", very fine to medium sand at 41-42" and 44-45"
	ORT-05 (0+05)	10/12/2012	0 - 10	Dark brown silt, some clay, trace organics (roots)
			10 - 55	Black grading to dark brown silt with clay, moderate odor, trace organics (roots), seam of fine to medium sand at 29"
	ORT-05 (0+10)	10/12/2012	0 - 6	Dark brown silt, little clay, trace organics (roots)
			6 - 44	Black silt with clay, moderate odor, trace organics (roots)
			44 - 46	Dark brown silt with clay, little organics (roots)
	ORT-05 (0+42)	10/12/2012	0 - 19	Gray brown fine to very coarse sand, trace organics (shells), trace small pebbles
			19 - 58	Black silt with clay, strong odor, trace organics (leaves, roots), trace fine sand at 54"
	ORT-05 (0+74)	10/12/2012	0 - 2	Brown organic silt, trace fine to medium sand
			2 - 43	Gray brown very fine to very coarse sand, trace small pebbles, trace organics (shells, wood), seam of organics at 22"
			43 - 49	Dark brown very fine to medium sand, little silt, trace organics (wood)
			49 - 63	Black silt with clay, trace organics (shells, roots), strong odor
	ORT-05 (1+06)	10/12/2012	0 - 47	Brown grading to dark gray brown grading to gray brown very fine to very coarse sand, trace organics (shells, roots), trace slag, trace silt at 43"
			47 - 57	Black silt with clay, trace organics (shells), strong odor, slight sheen
	ORT-05 (1+38)	10/12/2012	0 - 32	Brown grading to gray brown very fine to very coarse sand, trace organics (shells, roots), trace glass, trace small pebbles
			32 - 41	Dark brown very fine to medium sand, trace coarse sand, trace very small to medium pebbles, trace organics (wood, shells, roots), seam of black organic silt at 32-
			41 - 45	Black silt, little clay, trace coarse sand, trace organics (roots), moderate odor
	ORT-05 (1+70)	10/12/2012	0 - 29	Brown grading to dark gray very fine to very coarse sand, trace organics (shells, roots), trace small pebbles
			29 - 32	Dark gray clay with silt, trace fine to coarse sand, trace small pebbles
			32 - 48	Dark gray brown grading to gray brown very fine to very coarse sand, trace organics (shells), trace gray clay with silt at 39"
			48 - 60	Black silt with clay, trace organics (roots, shells) at 52", slight sheen at 48-50", moderate odor
	ORT-05 (2+02)	10/12/2012	0 - 16	Brown very fine to very coarse sand (well graded), trace small pebbles, trace organics (shells)
			16 - 35	Black silt with clay, moderate odor, trace organics (shells, roots)
			35 - 41	Dark brown very fine to medium sand, some silt, trace organics (wood, roots, shells)
	ORT-05 (2+14)	10/12/2012	0 - 4	Brown very fine to fine sand, some organics (leaves, roots), trace silt
			4 - 17	Very dark brown grading to dark brown silt with clay, trace organics (roots, wood), trace fine to medium sand
			17 - 25	Dark brown grading to light brown very fine to coarse sand, trace small pebbles, trace organics (roots, shells)
			25 - 39	Dark brown silt, little clay, little fine to medium sand, trace organics (roots, wood), seam of light brown fine to medium sand at 27"
	ORT-05 (2+19)	10/12/2012	0 - 11	Dark brown silt, little organics (roots, leaves, wood), trace clay, trace very fine to medium sand
			11 - 17	Light brown very fine to medium sand, trace organics (roots)
			17 - 22	Dark brown silt with very fine sand, little organics (roots)
			22 - 31	Gray brown silt with very fine to medium sand, trace coarse sand, trace small pebbles at 29-31"

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment (Cont.)				
10/16/2012	ORT-09 (0+05)	10/12/2012	0 - 4	Gray brown medium to large pebbles, trace fine to medium sand
			4 - 9	Olive brown fine to medium sand, trace large pebbles, trace organics (roots)
	ORT-09 (0+10)	10/12/2012	0 - 11	Orangish brown fine to medium sand with medium to large pebbles, trace organics (shells)
	ORT-09 (0+39)	10/12/2012	0 - 6	Brown very fine to coarse sand, trace small to medium pebbles, trace organics (shells, roots)
	ORT-09 (0+68)	10/12/2012	0 - 7	Brown fine to very coarse sand, some small pebbles, trace organics (shells, roots), trace medium pebbles
	ORT-09 (0+97)	10/12/2012	0 - 11	Orangish brown very fine to very coarse sand, little small to medium pebbles, trace organics (roots, shells)
	ORT-09 (1+26)	10/12/2012	0 - 4	Orangish brown fine to very coarse sand, trace small to large pebbles, trace organics (roots, shells)
	ORT-09 (1+55)	10/12/2012	0 - 2	Brown fine to very coarse sand, trace small to large pebbles, trace organics (roots, shells)
	ORT-09 (1+84)	10/12/2012	0 - 2	Brown very fine to very coarse sand, trace small to medium pebbles, trace silt, trace organics (leaves, roots, shells)
	ORT-09 (2+16)	10/12/2012	0 - 10	Orangish brown very fine to very coarse sand, trace small to medium pebbles, trace organics (shells, roots)
			10 - 12	Gray very fine to medium sand, trace small pebbles
	ORT-09 (2+21)	10/12/2012	0 - 11	Orangish brown very fine to coarse sand, little small to large pebbles, trace organics (roots, shells)
	ORT-08 (0+05)	10/13/2012	0 - 12	Dark brown very fine to medium sand, trace silt, trace organics (roots, shells)
			12 - 60	Dark brown grading to black silt with clay, trace fine to medium sand, trace organics (roots), strong odor
	ORT-08 (0+10)	10/13/2012	0 - 4	Dark brown organic silt
			4 - 20	Dark gray very fine to medium sand, trace silt, trace clay, trace organics (roots)
			20 - 63	Dark gray grading to black silt with clay, trace organics (roots), strong odor
	ORT-08 (0+40)	10/13/2012	0 - 12	Dark brown very fine to medium sand, trace silt, trace clay, trace organics (roots)
			12 - 24	Gray brown fine to coarse sand, trace organics (shells, roots)
			24 - 55	Dark gray black silt with clay, strong odor
	ORT-08 (0+70)	10/13/2012	0 - 3	Dark gray brown silt with clay, trace very fine to fine sand, trace organics (roots), strong odor
			3 - 42	Dark brown grading to black silt with clay, strong odor
	ORT-08 (1+00)	10/13/2012	0 - 3	Brown fine to very coarse sand, trace small pebbles
			3 - 6	Light brown mottled with dark gray fine to medium sand with silt and clay
			6 - 19	Dark brown silt with clay, trace very fine to fine sand, slight odor
			19 - 21	Brown very fine to medium sand, trace silt
			21 - 46	Black silt with clay, trace organics (roots, shells), moderate odor
	ORT-08 (1+30)	10/13/2012	0 - 12	Brown fine to very coarse sand, trace organics (roots, shells), trace small pebbles
			12 - 40	Light brown grading to gray brown very fine to medium sand, trace silt, trace organics (shells), seams of organics at 20-26" and medium to coarse sand at 38"
			40 - 52	Black silt with clay, trace fine sand, trace organics (roots), strong odor
	ORT-08 (1+60)	10/13/2012	0 - 5	Orangish brown fine to coarse sand, little organics (shells)
			5 - 28	Black silt with clay, trace organics (roots), seam of fine to medium sand and shells at 27-28"
	ORT-08 (1+90)	10/13/2012	0 - 8	Dark orangish brown very fine to medium sand, little silt, trace organics (roots, grass)
			8 - 22	Black brown very fine to medium sand, trace organics (roots)
			22 - 25	Light gray silt, some clay, some very fine to fine sand, trace organics (roots)
			25 - 30	Light gray very fine to medium sand, trace silt, trace organics (roots, shells)
	ORT-08 (2+18)	10/13/2012	0 - 8	Gray mottled with dark brown clay with silt, slight odor, trace fine to medium sand at 0-2"
			8 - 15	Dark brown very fine to medium sand, some silt, trace organics (roots, shells)
			15 - 19	Gray brown fine to medium sand, trace organics (roots, shells)
			19 - 35	Gray brown grading to gray very fine to medium sand, some silt, trace clay at 24-33", seam of green fine to medium sand at 32", trace organics (roots, shells)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment (Cont.)				
10/16/2012 (Cont.)	ORT-08 (2+23)	10/13/2012	0 - 17	Black grading to dark gray brown silt with clay, trace organics (roots, leaves), slight odor
			17 - 20	Brown very fine to medium sand, trace organics (shells, roots)
			20 - 33	Brown grading to gray brown very fine to fine sand, some silt, trace organics (roots, shells)
	ORT-11 (0+05)	10/13/2012	0 - 52	Light brown very fine to medium sand, dark brown striations at 19-29" and 41-52", trace organics (roots, wood, leaves), organic seam at 41", dark brown seam at 30-
			0 - 28	Dark brown grading to light brown gray fine to medium sand, trace organics (roots)
			28 - 33	Large wood piece, trace very fine to medium sand
	ORT-11 (0+36)	10/13/2012	0 - 5	Dark brown very fine to fine sand, light brown seam at 2", little silt, trace coarse sand, trace organics (roots, wood)
			5 - 9	Light brown very fine to medium sand, trace organics (roots)
			9 - 17	Dark brown mottled with light brown very fine to fine sand, little silt, trace coarse sand, trace organics (roots, wood)
	ORT-11 (0+62)	10/13/2012	0 - 2	Dark brown silt, some very fine to fine sand, trace coarse sand
			2 - 9	Brown very fine to coarse sand, trace small pebbles, trace organics (shells)
			0 - 7	Yellowish brown fine to very coarse sand, trace small pebbles, trace organics (shells)
	ORT-11 (1+14)	10/13/2012	7 - 11	Gray brown very fine to fine sand, trace coarse sand, trace small pebbles
			0 - 14	Brown grading to gray very fine to very coarse sand, trace organics (shells), trace small pebbles, trace slag
			0 - 18	Brown grading to gray fine to very coarse sand, trace small pebbles, trace organics (shells)
	ORT-11 (1+66)	10/13/2012	0 - 11	Brown grading to gray brown fine to very coarse sand, trace small to large pebbles, trace organics (shells)
			11 - 13	Dark brown organic silt, little fine to medium sand
			13 - 27	Dark gray brown very fine to medium sand, coarse sand at 14-16", trace organics (shells)
	ORT-11 (1+93)	10/13/2012	0 - 6	Dark brown organic silt, trace fine sand
			6 - 8	Dark brown very fine to coarse sand, trace small pebbles
			8 - 21	Gray brown fine to coarse sand, trace small pebbles, trace organics (roots)
			21 - 27	Dark brown very fine to fine sand, trace silt
	ORT-11 (1+98)	10/13/2012	0 - 5	Very dark gray very fine to fine sand, little silt, trace coarse sand, trace organics (roots)
			5 - 21	Gray grading to olive brown very fine to fine sand, little medium sand at 9-12", trace small to medium pebbles, trace organics (roots)
			0 - 12	Dark gray brown very fine to medium sand, trace clay, little silt, trace organics (roots, leaves, wood)
	ORT-14 (0+05)	10/17/2012	12 - 14	Very dark brown silt, little clay, trace fine to medium sand
			0 - 9	Gray brown very fine to coarse sand, trace very coarse sand, trace silt at 0-1", trace organics (roots)
			0 - 10	Brown very fine to coarse sand, trace organics (roots, shells)
	ORT-14 (0+23.5)	10/17/2012	0 - 2	Brown very fine to fine sand, little silt, trace organics (shells)
			2 - 8	Reddish brown medium to very coarse sand, trace small pebbles, trace organics (shells)
			0 - 5	Yellowish brown very fine to very coarse sand, trace small to large pebbles at 3-5", trace organics (roots, shells)
	ORT-14 (1+10)	10/17/2012	0 - 12	Yellowish brown very fine to coarse sand, trace very coarse sand, trace organics (leaves, roots), trace cobbles at 0-1"
			0 - 7	Orangish brown fine to very coarse sand, trace small to very large pebbles
			0 - 5	Orangish brown very fine to coarse sand, trace silt, trace organics (roots), trace small to medium pebbles at 0-1", trace very coarse sand at 4-5"
	ORT-16 (0+05)	10/17/2012	0 - 2	Brown fine to very coarse sand, trace small to medium pebbles, trace organics (roots, leaves, shells)
			0 - 2	Brown very fine to medium sand, trace organics (shells)
			2 - 7	Brown medium to very coarse sand, little small pebbles, trace organics (shells, leaves)
	ORT-16 (0+70)	10/17/2012	0 - 4	Brown very fine to coarse sand, little very coarse sand, trace small to large pebbles, trace organics (shells)
			0 - 4	Brown very fine to coarse sand, little very coarse sand, trace small to large pebbles, trace organics (shells)

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment (Cont.)				
10/18/2012 (Cont.)	ORT-16 (1+15)	10/17/2012	0 - 4	Dark gray silt with very fine to fine sand, some clay, trace organics (roots, leaves)
			4 - 7	Gray brown very fine to medium sand, trace small pebbles, trace organics (shells)
			7 - 10	Dark brown fine to medium sand, trace very coarse sand, trace small pebbles, trace organics (shells)
	ORT-16 (1+20)	10/17/2012	0 - 3	Dark brown silt, trace fine sand, trace clay, trace organics (leaves, roots)
			3 - 10	Brown very fine to coarse sand, trace small pebbles, trace organics (shells)
			10 - 16	Dark brown silt with clay, trace fine to medium sand, trace organics (roots)
			16 - 18.5	Dark brown fine to medium sand with silt, trace small pebbles, trace organics (roots)
	ORT-17 (0+05)	10/17/2012	0 - 13	Dark brown grading to yellowish gray brown very fine to medium sand, trace small pebbles, trace very coarse sand, trace silt at 0-2", trace organics (roots, shells)
	ORT-17 (0+10)	10/17/2012	0 - 8	Dark brown very fine to medium sand, little silt, trace organics (roots)
			8 - 12	Black very fine to fine sand, some silt, trace organics (roots)
			12 - 18	Gray brown very fine to medium sand, little silt, trace organics (roots, shells)
	ORT-17 (0+33.5)	10/17/2012	0 - 4	Brown fine to coarse sand, trace small to medium pebbles, trace organics (shells)
	ORT-17 (0+57)	10/17/2012	0 - 2	Brown very fine to medium sand, trace organics (roots, shells)
			2 - 8	Brown fine to very coarse sand, trace small to medium pebbles, trace organics (shells)
	ORT-17 (0+80.5)	10/17/2012	0 - 9.5	Brown fine to very coarse sand, little small to large pebbles, trace slag, trace very fine sand at 0-2", trace organics (roots, shells)
	ORT-17 (1+27.5)	10/17/2012	0 - 5	Brown fine to very coarse sand, little small pebbles, trace organics (shells), trace very fine sand at 0-2"
	ORT-17 (1+51)	10/17/2012	0 - 2	Brown very fine to coarse sand, trace organics (roots, shells)
			2 - 10	Gray brown fine to very coarse sand, trace small pebbles, trace organics (roots, shells)
	ORT-17 (1+75)	10/17/2012	0 - 6	Black silt with clay, trace rubber band, strong odor
			6 - 13	Dark brown black very fine to coarse sand, trace small pebbles, trace slag, trace organics (wood, shells, roots)
	ORT-17 (1+80)	10/17/2012	0 - 18	Dark brown black silt with clay, trace organics (roots), strong odor, seam of brown fine to medium sand at 8"
			18 - 21	Brown very fine to coarse sand, trace small pebbles, trace organics (shells)
			21 - 23	Very dark brown silt, some clay, trace fine sand, slight odor
10/24/2012	ORT-22 (0+05)	10/23/2012	0 - 12	Dark gray grading to brown very fine to medium sand, trace silt, trace clay, trace organics (roots)
	ORT-22 (0+10)	10/23/2012	0 - 10	Dark brown very fine to medium sand, little silt, trace organics (roots, wood)
	ORT-23 (0+05)	10/23/2012	0 - 7	Dark brown grading to brown very fine to medium sand, trace silt, trace organics (wood, roots)
	ORT-23 (1+68)	10/23/2012	0 - 5	Dark brown organics (leaves, roots), trace small pebbles, trace fine to medium sand
			5 - 16	Light brown very fine to medium sand, little silt, trace organics (roots), trace very coarse sand
	ORT-23 (1+73)	10/23/2012	0 - 8	Dark yellowish gray brown very fine to very coarse sand, little small pebbles, trace medium pebbles, trace organics (roots)
	ORT-25 (0+10)	10/23/2012	0 - 3	Brown fine to very coarse sand, trace small to large pebbles, trace organics (roots, leaves)
			3 - 13	Light brown very fine to medium sand
	ORT-25 (1+25)	10/23/2012	0 - 6	Dark brown grading to orangish brown fine to very coarse sand, trace very fine sand and silt at 0-1", trace small to medium pebbles, trace organics (roots, shells)
	ORT-25 (1+48)	10/23/2012	0 - 8	Dark brown very fine to coarse sand, trace very coarse sand, trace small pebbles, trace silt, trace organics (leaves, roots)
			8 - 11	Black fine to very coarse sand, little small pebbles, trace organics (roots), moderate odor
	ORT-25 (1+72)	10/23/2012	0 - 10	Olive brown grading to dark gray very fine to medium sand, some silt, trace organics (roots), trace small to medium pebbles at 8-10"
	ORT-26 (0+05)	10/23/2012	0 - 4	Gray brown small to large pebbles, trace fine to medium sand, trace organics (wood, roots)
			4 - 10	Orange brown fine to medium sand, trace organics (roots)
			10 - 12	Orange brown fine to coarse sand, trace organics (roots)
	ORT-26 (0+10)	10/23/2012	0 - 6	Gray brown very fine to medium sand, little small to medium pebbles, little organics (wood, roots, leaves)
			6 - 13	Light brown very fine to medium sand, some silt, trace coarse to very coarse sand at 12-13", trace small to medium pebbles, trace organics (shells)
	ORT-26 (1+67)	10/23/2012	0 - 12	Dark gray black silt with medium to coarse sand, trace slag at 0-4", trace organics (roots, leaves, shells), trace small pebbles, moderate odor, sheen at 6"

See Note on Page 17.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 4 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Core Descriptions

Date Processed	Location	Date Collected	Depth (inches)	Description
Sediment (Cont.)				
10/25/2012	ORT-18 (0+05)	10/24/2012	0 - 6	Dark brown very fine to coarse sand, some silt, trace small to large pebbles, trace organics (leaves), trace glass
	ORT-18 (1+48)	10/24/2012	0 - 15	Very dark gray brown very fine to medium sand with silt, trace clay, trace organics (leaves, roots)
			15 - 19	Gray clay with silt, some fine sand, trace organics (roots)
			19 - 22	Black silt with clay, moderate odor, trace organics (roots)
			22 - 24	Dark brown very fine to medium sand, trace small pebbles
	ORT-18 (1+53)	10/24/2012	0 - 2	Dark gray organic silt, little clay
			2 - 20	Black silt with clay, trace organics (roots), strong odor
	ORT-20 (0+05)	10/24/2012	0 - 6	Black silt with clay, trace organics (roots), slight odor
			6 - 8	Dark brown silt with clay, trace fine to medium sand, trace small pebbles, trace rubber band, trace organics (roots, wood)
	ORT-20 (2+11)	10/24/2012	0 - 2	Gray brown very fine to medium sand, trace clay, trace small pebbles, trace organics (roots, leaves)
			2 - 7	Very dark brown silt with clay, trace very fine to medium sand, trace organics (roots, leaves)
			7 - 12	Light gray very fine to coarse sand, some silt, trace clay, trace small to large pebbles, trace organics (roots)

Note:

1. Soil core locations OFP-016, OFP-023, OFP-24, OFP-033, OFP-37, OFP-38, and OFP-43 were re-occupied to penetrate dry hard-packed clay encountered that was impenetrable using Lexan. No samples were analyzed from the original cores.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil					
OFP-039	0-6"	K28012			PCB, TOC, Grain Size
	6-12"	K28013			PCB
	12-22"	K28014			PCB
	22-25"	K28015			PCB
	25-36"	K28016		x	PCB
	36-47"	K28017			PCB
OFP-042	0-6"	K28018			PCB, TOC, Grain Size
	6-12"	K28019			PCB
	12-16"	K28020			PCB
	17-24"	K28021			PCB
	24-35"	K28022			PCB
	35-41"	K28023			PCB
OFP-044	0-6"	K28030			PCB, TOC, Grain Size
	6-12"	K28031			PCB
	12-24"	K28032			PCB
	12-24"	K28033	K28032		PCB
	24-29"	K28034			PCB
	29-41"	K28035		x	PCB
OFP-051	0-6"	K28036			PCB, TOC, Grain Size
	6-12"	K28037			PCB
	12-18"	K28038			PCB
	19-27"	K28039			PCB
	27-36"	K28040			PCB
	36-45"	K28041			PCB
	45-53"	K28042			PCB
	53-64"	K28043			PCB
OFP-052	0-6"	K28044			PCB, TOC, Grain Size
	6-12"	K28045			PCB
	12-24"	K28046			PCB
	24-37"	K28047			PCB
OFP-053	0-6"	K28048			PCB, TOC, Grain Size
	6-12"	K28049			PCB
	12-24"	K28050			PCB
	24-29"	K28051			PCB
OFP-054	0-6"	K28052			PCB, TOC, Grain Size
	6-9"	K28053			PCB
	9-12"	K28054			PCB
	12-16"	K28055			PCB
	17-24"	K28056			PCB
	24-31"	K28057			PCB
	31-33"	K28058			PCB
OFP-055	0-6"	K28059			PCB, TOC, Grain Size
	6-11"	K28060			PCB
	11-17"	K28061			PCB
	17-24"	K28062			PCB
	24-31"	K28063			PCB
OFP-056	0-6"	K28064		x	PCB, TOC, Grain Size
	6-8"	K28065			PCB
OFP-058	0-6"	K28066			PCB, TOC, Grain Size
	6-14"	K28067			PCB
	16-24"	K28068			PCB
	24-32"	K28069			PCB
	24-32"	K28070	K28069		PCB
OFP-069	0-6"	K28071			PCB, TOC, Grain Size
	6-9"	K28072			PCB
	10-12"	K28073			PCB
	12-24"	K28074			PCB
	24-36"	K28075			PCB
	36-40"	K28076			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OFP-070	0-6"	K28077			PCB, TOC, Grain Size
	6-12"	K28078			PCB
	13-22"	K28079			PCB
	22-27"	K28080			PCB
	27-36"	K28081			PCB
OFP-071	0-6"	K28082			PCB, TOC, Grain Size
	6-12"	K28083			PCB
	12-17"	K28084			PCB
	17-19"	K28085			PCB
	19-25"	K28086			PCB
OFP-072	0-6"	K28087			PCB, TOC, Grain Size
	6-11"	K28088			PCB
	13-18"	K28089			PCB
	18-24"	K28090			PCB
OFP-073	0-6"	K28091			PCB, TOC, Grain Size
	6-11"	K28092			PCB
	6-11"	K28093	K28092		PCB
	11-24"	K28094			PCB
	24-26"	K28095			PCB
	26-36"	K28096		x	PCB
OFP-074	36-46"	K28097			PCB
	0-6"	K28098			PCB, TOC, Grain Size
	6-12"	K28099			PCB
	13-24"	K28100			PCB
OFP-075	24-30"	K28101			PCB
	0-6"	K28102			PCB, TOC, Grain Size
	6-12"	K28103			PCB
	12-16"	K28104			PCB
	17-23"	K28105			PCB
	23-36"	K28106			PCB
	36-38"	K28107			PCB
OFP-078	38-44"	K28108			PCB
	0-6"	K28109			PCB, TOC, Grain Size
	0-6"	K28110	K28109		PCB, TOC, Grain Size
	6-12"	K28111			PCB
	12-16"	K28112			PCB
	16-24"	K28113		x	PCB
OFP-079	24-30"	K28114			PCB
	0-6"	K28115			PCB, TOC, Grain Size
	6-8"	K28116			PCB
	10-14"	K28117			PCB
	14-22"	K28118			PCB
OTBN-24	22-24"	K28119			PCB
	0-6"	K28120			PCB, TOC, Grain Size
	6-11"	K28121			PCB
	13-18"	K28122			PCB
	18-24"	K28123			PCB
OTBS-24	24-30"	K28124			PCB
	0-6"	K28125			PCB, TOC, Grain Size
	6-8"	K28126			PCB
OTBS-32	12-19"	K28127			PCB
	0-4"	K28128			PCB, TOC, Grain Size
	4-6"	K28129			PCB
	6-12"	K28130			PCB
	6-12"	K28131	K28130		PCB
	13-24"	K28132			PCB
	24-30"	K28133			PCB
	30-36"	K28134			PCB
	36-46"	K28135		x	PCB
	46-53"	K28136			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OTBS-19	0-4"	K28137			PCB, TOC, Grain Size
	4-6"	K28138			PCB
	6-14"	K28139			PCB
	16-19"	K28140			PCB
	19-29"	K28141			PCB
	29-36"	K28142			PCB
	36-48"	K28143			PCB
	48-60"	K28144			PCB
	60-72"	K28145			PCB
OTBN-19	0-4"	K28146			PCB, TOC, Grain Size
	4-6"	K28147			PCB
	6-12"	K28148			PCB
	12-24"	K28149			PCB
	24-29"	K28150			PCB
	29-36"	K28151			PCB
	36-45"	K28152			PCB
	45-48"	K28153			PCB
	0-6"	K28154			PCB, TOC, Grain Size
OTBN-20	6-14"	K28155			PCB
	6-14"	K28156	K28155		PCB
	16-19"	K28157			PCB
	19-24"	K28158			PCB
	24-29"	K28159		x	PCB
	29-32"	K28160			PCB
	0-6"	K28161			PCB, TOC, Grain Size
OTBS-20	6-12"	K28162			PCB
	12-18"	K28163			PCB
	18-24"	K28164			PCB
	24-36"	K28165			PCB
	36-48"	K28166			PCB
	48-57"	K28167			PCB
	0-4"	K28168			PCB, TOC, Grain Size
OFP-061	4-6"	K28169			PCB
	6-12"	K28170			PCB
	12-24"	K28171			PCB
	24-36"	K28172			PCB
	36-48"	K28173			PCB
	48-56"	K28174			PCB
	56-65"	K28175			PCB
	0-6"	K28176			PCB, TOC, Grain Size
OFP-062	6-13"	K28177			PCB
	6-13"	K28178	K28177		PCB
	14-24"	K28179			PCB
	24-29"	K28180			PCB
	29-38"	K28181			PCB
	38-48"	K28182			PCB
	48-60"	K28183		x	PCB
	60-65"	K28184			PCB
	65-70"	K28185			PCB
	0-6"	K28186			PCB, TOC, Grain Size
OFP-063	6-13"	K28187			PCB
	14-23"	K28188			PCB
	23-28"	K28189			PCB
	31-36"	K28190			PCB
	36-48"	K28191			PCB
	48-62"	K28192			PCB
	62-66"	K28193			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OFP-064	0-6"	K28194			PCB, TOC, Grain Size
	6-13"	K28195			PCB
	14-23"	K28196			PCB
	14-23"	K28197	K28196		PCB
	23-26"	K28198			PCB
	26-36"	K28199			PCB
	36-42"	K28200			PCB
	42-54"	K28201		X	PCB
	54-60"	K28202			PCB
OFP-065	0-6"	K28203			PCB, TOC, Grain Size
	6-11"	K28204			PCB
	12-24"	K28205			PCB
	24-34"	K28206			PCB
	36-40"	K28207			PCB
	40-50"	K28208			PCB
	50-60"	K28209			PCB
	60-72"	K28210			PCB
	72-84"	K28211			PCB
OTBN-13	84-93"	K28212			PCB
	0-6"	K28213		X	PCB, TOC, Grain Size
	6-12"	K28214			PCB
	12-24"	K28215			PCB
	24-32"	K28216			PCB
OTBN-15	32-43"	K28217			PCB
	0-6"	K28218			PCB, TOC, Grain Size
	6-12"	K28219			PCB
	12-24"	K28220			PCB
	24-36"	K28221			PCB
	36-48"	K28222			PCB
	48-58"	K28223			PCB
OTBN-16	48-58"	K28224	K28223		PCB
	0-6"	K28225			PCB, TOC, Grain Size
	6-12"	K28226			PCB
	12-24"	K28227			PCB
	24-36"	K28228			PCB
	36-48"	K28229			PCB
	48-60"	K28230			PCB
	60-70"	K28231			PCB
OTBN-17	70-73"	K28232			PCB
	0-6"	K28233			PCB, TOC, Grain Size
	6-12"	K28234			PCB
	12-22"	K28235			PCB
	22-36"	K28236		X	PCB
	36-42"	K28237			PCB
	42-48"	K28238			PCB
	48-60"	K28239			PCB
	48-60"	K28240	K28239		PCB
OTBN-18	60-66"	K28241			PCB
	66-70"	K28242			PCB
	0-6"	K28243			PCB, TOC, Grain Size
	6-12"	K28244			PCB
	12-24"	K28245			PCB
	24-31"	K28246			PCB
	31-36"	K28247			PCB
	36-44"	K28248			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OFP-066	0-6"	K28249			PCB, TOC, Grain Size
	6-12"	K28250			PCB
	12-17"	K28251			PCB
	18-29"	K28252			PCB
	29-36"	K28253			PCB
	36-48"	K28254			PCB
	48-56"	K28255			PCB
OFP-067	0-6"	K28256			PCB, TOC, Grain Size
	6-10"	K28257			PCB
	12-24"	K28258			PCB
	24-36"	K28259			PCB
	36-48"	K28260			PCB
	36-48"	K28261	K28260		PCB
	48-60"	K28262			PCB
	60-72"	K28263			PCB
OFP-068	72-82"	K28264		x	PCB
	0-6"	K28265			PCB, TOC, Grain Size
	6-12"	K28266			PCB
	13-22"	K28267			PCB
	22-25"	K28268			PCB
	30-39"	K28269			PCB
	39-48"	K28270			PCB
	48-60"	K28271			PCB
OFP-028	60-66"	K28272			PCB
	0-6"	K28273			PCB, TOC, Grain Size
	6-13"	K28274			PCB
	16-18"	K28275			PCB
	18-24"	K28276			PCB
OFP-030	24-36"	K28277			PCB
	0-6"	K28278			PCB, TOC, Grain Size
	6-14"	K28279			PCB
	16-23"	K28280			PCB
	23-26"	K28281			PCB
	26-36"	K28282			PCB
	36-48"	K28283			PCB
	36-48"	K28284	K28283		PCB
OFP-031	48-59"	K28285			PCB
	59-63"	K28286			PCB
	0-6"	K28287			PCB, TOC, Grain Size
	6-10"	K28288			PCB
	10-17"	K28289			PCB
	18-24"	K28290			PCB
	24-31"	K28291			PCB
	31-34"	K28292			PCB
OFP-034	36-47"	K28293			PCB
	47-51"	K28294			PCB
	51-60"	K28295			PCB
	0-5"	K28296			PCB, TOC, Grain Size
	5-12"	K28297			PCB
	12-24"	K28298			PCB
	24-35"	K28299			PCB
	35-44"	K28300		x	PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OFP-035	0-5"	K28301			PCB, TOC, Grain Size
	5-12"	K28302			PCB
	12-16"	K28303			PCB
	17-24"	K28304			PCB
	24-36"	K28305		x	PCB
	36-48"	K28306			PCB
	48-53"	K28307			PCB
	53-60"	K28308			PCB
	60-76"	K28309			PCB
	60-76"	K28310	K28309		PCB
OFP-016	0-6"	K28311			PCB, TOC, Grain Size
	6-12"	K28312			PCB
	12-24"	K28313			PCB
	24-32"	K28314			PCB
	35-42"	K28315			PCB
	42-44"	K28316			PCB
	44-47"	K28317			PCB
	47-58"	K28318			PCB
OFP-023	0-6"	K28319			PCB, TOC, Grain Size
	6-12"	K28320			PCB
	12-24"	K28321			PCB
	24-36"	K28322			PCB
	36-54"	K28323			PCB
	54-60"	K28324			PCB
	54-60"	K28325	K28324		PCB
	60-75"	K28326			PCB
	75-85"	K28327		x	PCB
	85-91"	K28328			PCB
OFP-024	0-6"	K28329			PCB, TOC, Grain Size
	0-6"	K28330	K28329		PCB, TOC, Grain Size
	6-13"	K28331			PCB
	13-24"	K28332			PCB
	24-29"	K28333			PCB
	29-36"	K28334			PCB
	36-43"	K28335			PCB
	43-48"	K28336			PCB
	48-60"	K28337			PCB
	60-69"	K28338			PCB
	69-71"	K28339			PCB
OFP-033	0-6"	K28340		x	PCB, TOC, Grain Size
	6-12"	K28341			PCB
	12-24"	K28342			PCB
	24-31"	K28343			PCB
	31-36"	K28344			PCB
	36-48"	K28345			PCB
	48-60"	K28346			PCB
	60-72"	K28347			PCB
	72-76"	K28348			PCB
	76-80"	K28349			PCB
OFP-037	0-6"	K28350			PCB, TOC, Grain Size
	6-11"	K28351			PCB
	11-18"	K28352			PCB
	18-24"	K28353			PCB
	24-36"	K28354			PCB
	36-48"	K28355			PCB
	48-57"	K28356			PCB
	57-61"	K28357			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OFP-038	0-6"	K28358			PCB, TOC, Grain Size
	6-10"	K28359			PCB
	11-24"	K28360			PCB
	24-36"	K28361			PCB
	36-48"	K28362			PCB
	48-60"	K28363			PCB
	60-67"	K28364			PCB
	67-74"	K28365			PCB
	67-74"	K28366	K28365		PCB
OFP-043	0-6"	K28367			PCB, TOC, Grain Size
	6-12"	K28368			PCB
	12-24"	K28369			PCB
	24-28"	K28370			PCB
	28-36"	K28371			PCB
	36-48"	K28372		x	PCB
	48-52"	K28373			PCB
	52-59"	K28374			PCB
OFP-057	0-6"	K28375			PCB, TOC, Grain Size
	6-12"	K28376			PCB
	12-24"	K28377			PCB
	24-36"	K28378			PCB
	36-48"	K28379			PCB
	48-60"	K28380			PCB
	60-68"	K28381			PCB
OFP-059	0-6"	K28382			PCB, TOC, Grain Size
	6-12"	K28383			PCB
	12-24"	K28384			PCB
	24-34"	K28385			PCB
	34-36"	K28386			PCB
	36-48"	K28387			PCB
	48-60"	K28388			PCB
	60-74"	K28389			PCB
	74-77"	K28390			PCB
	77-79"	K28391			PCB
OFP-060	0-6"	K28392			PCB, TOC, Grain Size
	6-12"	K28393			PCB
	12-24"	K28394			PCB
	24-36"	K28395			PCB
	36-48"	K28396			PCB
	48-53"	K28397			PCB
	48-53"	K28398	K28397		PCB
	53-60"	K28399			PCB
	60-72"	K28400		x	PCB
	72-84"	K28401			PCB
OFP-080	0-6"	K28402			PCB, TOC, Grain Size
	6-10"	K28403			PCB
	10-12"	K28404			PCB
	12-24"	K28405			PCB
	24-34"	K28406			PCB
OFP-081	0-6"	K28407			PCB, TOC, Grain Size
	6-8"	K28408			PCB
	10-15"	K28409			PCB
	15-24"	K28410			PCB
	15-24"	K28411	K28410		PCB
	24-28"	K28412			PCB
	28-48"	K28413		x	PCB
OTBN-01	0-6"	K28414			PCB, TOC, Grain Size
	6-12"	K28415			PCB
	12-18"	K28416			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OTBS-01	0-6"	K28417			PCB, TOC, Grain Size
	6-12"	K28418			PCB
	12-16"	K28419			PCB
	16-24"	K28420			PCB
	24-36"	K28421			PCB
	36-48"	K28422		x	PCB
	48-60"	K28423			PCB
	60-72"	K28424			PCB
	72-84"	K28425			PCB
	84-96"	K28426			PCB
	96-106"	K28427			PCB
	106-114"	K28428			PCB
	114-118"	K28429			PCB
OTBN-02	0-6"	K28430			PCB, TOC, Grain Size
	0-6"	K28431	K28430		PCB, TOC, Grain Size
	6-12"	K28432			PCB
	12-24"	K28433			PCB
	24-36"	K28434			PCB
	36-48"	K28435			PCB
OTBS-02	0-6"	K28436		x	PCB, TOC, Grain Size
	6-12"	K28437			PCB
	12-18"	K28438			PCB
	18-24"	K28439			PCB
	24-34"	K28440			PCB
	34-48"	K28441			PCB
	48-60"	K28442			PCB
	60-72"	K28443			PCB
OTBN-04	0-6"	K28444			PCB, TOC, Grain Size
	6-12"	K28445			PCB
	6-12"	K28446	K28445		PCB
	12-20"	K28447			PCB
	20-24"	K28448			PCB
	24-36"	K28449			PCB
OTBS-04	0-2"	K28450			PCB, TOC
	0-6"	K28451			Grain Size
	2-12"	K28452			PCB
	12-24"	K28453			PCB
	24-36"	K28454			PCB
	36-50"	K28455			PCB
	50-60"	K28456			PCB
	60-70"	K28457			PCB
OTBN-05	0-6"	K28458			PCB, TOC, Grain Size
	6-12"	K28459			PCB
	12-24"	K28460			PCB
	24-26"	K28461			PCB
	26-36"	K28462			PCB
	36-42"	K28463			PCB
	42-50"	K28464			PCB
	50-60"	K28465			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OTBS-05	0-6"	K28466			PCB, TOC, Grain Size
	6-12"	K28467			PCB
	12-24"	K28468		x	PCB
	24-30"	K28469			PCB
	30-36"	K28470			PCB
	30-36"	K28471	K28470		PCB
	36-48"	K28472			PCB
	48-60"	K28473			PCB
	60-72"	K28474			PCB
	72-84"	K28475			PCB
	84-96"	K28476			PCB
	96-108"	K28477			PCB
	108-114"	K28478			PCB
OTBN-09	0-6"	K28479			PCB, TOC, Grain Size
	6-12"	K28480			PCB
	12-24"	K28481			PCB
	24-36"	K28482			PCB
	36-48"	K28483			PCB
	48-60"	K28484			PCB
OTBS-11	0-6"	K28485			PCB, TOC, Grain Size
	6-12"	K28486			PCB
	12-24"	K28487			PCB
	24-36"	K28488			PCB
	36-44"	K28489			PCB
	44-48"	K28490			PCB
	48-60"	K28491			PCB
OTBN-11	60-73"	K28492			PCB
	0-6"	K28493			PCB, TOC, Grain Size
	6-12"	K28494			PCB
	6-12"	K28495	K28494		PCB
	12-24"	K28496		x	PCB
OTBN-08	24-36"	K28497			PCB
	0-6"	K28498			PCB, TOC, Grain Size
	6-12"	K28499			PCB
	12-24"	K28500			PCB
	24-36"	K28501			PCB
	36-48"	K28502			PCB
	48-60"	K28503			PCB
	60-72"	K28504			PCB
	72-76"	K28505			PCB
OTBS-09	76-84"	K28506			PCB
	0-6"	K28507			PCB, TOC, Grain Size
	6-12"	K28508			PCB
	12-24"	K28509		x	PCB
OTBS-16	24-36"	K28510			PCB
	0-6"	K28511			PCB, TOC, Grain Size
	6-12"	K28512			PCB
	6-12"	K28513	K28512		PCB
	12-24"	K28514			PCB
OTBS-17	24-30"	K28515			PCB
	0-6"	K28516			PCB, TOC, Grain Size
	6-12"	K28517			PCB
	12-24"	K28518			PCB
OTBS-07	24-36"	K28519			PCB
	0-6"	K28520			PCB, TOC, Grain Size
	6-12"	K28521			PCB
	12-24"	K28522			PCB
	24-36"	K28523			PCB
	36-43"	K28524			PCB
	48-60"	K28525			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OTBS-08	0-6"	K28526			PCB, TOC, Grain Size
	6-12"	K28527			PCB
	12-24"	K28528			PCB
	24-30"	K28529			PCB
	30-36"	K28530			PCB
	36-44"	K28531			PCB
	44-48"	K28532			PCB
OTBN-07	0-6"	K28533			PCB, TOC, Grain Size
	6-12"	K28534			PCB
	12-18"	K28535		x	PCB
	18-24"	K28536			PCB
	24-36"	K28537			PCB
	36-48"	K28538			PCB
	36-48"	K28539	K28538		PCB
	48-60"	K28540			PCB
	60-72"	K28541			PCB
	72-84"	K28542			PCB
OTBN-10	84-96"	K28543			PCB
	0-6"	K28544			PCB, TOC, Grain Size
	6-12"	K28545			PCB
	12-24"	K28546			PCB
	24-36"	K28547			PCB
	36-48"	K28548			PCB
	48-60"	K28549			PCB
	60-66"	K28550			PCB
OTBS-10	66-76"	K28551			PCB
	0-6"	K28552			PCB, TOC, Grain Size
	0-6"	K28553	K28552		PCB, TOC, Grain Size
	6-12"	K28554			PCB
	12-15"	K28555			PCB
	15-24"	K28556		x	PCB
OTBS-13	24-30"	K28557			PCB
	0-6"	K28558		x	PCB, TOC, Grain Size
	6-10"	K28559			PCB
	10-12"	K28560			PCB
	12-18"	K28561			PCB
	18-24"	K28562			PCB
	24-30"	K28563			PCB
	30-36"	K28564			PCB
	36-48"	K28565			PCB
	48-60"	K28566			PCB
	60-72"	K28567			PCB
	72-78"	K28568			PCB
	78-80"	K28569			PCB
OTBN-14	0-6"	K28570			PCB, TOC, Grain Size
	6-12"	K28571			PCB
	12-24"	K28572			PCB
	24-36"	K28573			PCB
	36-48"	K28574			PCB
	36-48"	K28575	K28574		PCB
OTBS-14	0-6"	K28576			PCB, TOC, Grain Size
	6-11"	K28577			PCB
	11-24"	K28578			PCB
	24-33"	K28579			PCB
	33-36"	K28580			PCB
	36-48"	K28581			PCB
	48-60"	K28582			PCB
	60-63"	K28583			PCB
	63-75"	K28584			PCB
	75-82"	K28585			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Soil (Cont.)					
OTBS-15	0-6"	K28586			PCB, TOC, Grain Size
	6-12"	K28587			PCB
	12-22"	K28588			PCB
	22-30"	K28589			PCB
	22-30"	K28590	K28589		PCB
	30-32"	K28591			PCB
	32-38"	K28592			PCB
	38-48"	K28593			PCB
	48-54"	K28594			PCB
	54-57"	K28595			PCB
	57-63"	K28596			PCB
	63-73"	K28597	x		PCB
	73-76"	K28598			PCB
OTBS-22	0-6"	K28599			PCB, TOC, Grain Size
	6-12"	K28600			PCB
	12-24"	K28601			PCB
	24-36"	K28602			PCB
OTBS-30	0-6"	K28603			PCB, TOC, Grain Size
	6-12"	K28604			PCB
	12-20"	K28605			PCB
	20-24"	K28606			PCB
	24-30"	K28607			PCB
OTBS-31	0-6"	K28608			PCB, TOC, Grain Size
	6-12"	K28609			PCB
	12-21"	K28610			PCB
	21-24"	K28611			PCB
	24-36"	K28612			PCB
OFP-076	0-6"	K28613			PCB, TOC, Grain Size
	0-6"	K28614	K28613		PCB, TOC, Grain Size
	6-14"	K28615		x	PCB
	14-27"	K28616			PCB
	27-36"	K28617			PCB
	55-60"	K28618			PCB
OFP-077	0-6"	K28619			PCB, TOC, Grain Size
	6-12"	K28620			PCB
	12-24"	K28621			PCB
	12-24"	K28622	K28621		PCB
	24-36"	K28623		x	PCB
	36-48"	K28624			PCB
	48-60"	K28625			PCB
Sediment					
ORT-07 (0+10)	0-2"	K57689			PCB, TOC, Grain Size
	2-6"	K57690			PCB
	6-12"	K57691			PCB
	12-22"	K57692			PCB
ORT-07 (0+29)	0-2"	K57693			PCB, TOC, Grain Size
	2-7"	K57694			PCB
	7-12"	K57695			PCB
	12-16"	K57696			PCB
ORT-07 (1+24)	0-2"	K57697			PCB, TOC, Grain Size
	2-6"	K57698			PCB
	6-12"	K57699			PCB
ORT-07 (1+43)	0-2"	K57700			PCB, TOC, Grain Size
	2-6"	K57701			PCB
	6-12"	K57702			PCB
	12-24"	K57703			PCB
	12-24"	K57704	K57703		PCB
	24-33"	K57705		x	PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Sediment (Cont.)					
ORT-01 (0+10)	0-2"	K57706			PCB, TOC, Grain Size
	2-7"	K57707			PCB
	7-12"	K57708			PCB
	12-24"	K57709			PCB
	24-37"	K57710			PCB
	37-45"	K57711			PCB
	45-53"	K57712			PCB
ORT-01 (1+00)	0-2"	K57713			PCB, TOC, Grain Size
	2-6"	K57714			PCB
	6-12"	K57715			PCB
	12-24"	K57716			PCB
	24-35"	K57717			PCB
	35-48"	K57718			PCB
	48-60"	K57719			PCB
ORT-01 (1+60)	0-2"	K57720			PCB, TOC, Grain Size
	2-6"	K57721			PCB
	6-12"	K57722			PCB
	12-24"	K57723			PCB
	24-35"	K57724			PCB
	24-35"	K57725	K57724		PCB
	35-48"	K57726			PCB
	48-58"	K57727			PCB
	58-62"	K57728			PCB
ORT-01 (2+22)	0-2"	K57729			Grain Size
	2-6"	K57730			PCB
	6-12"	K57731			PCB
	12-22"	K57732		X	PCB
	22-27"	K57733			PCB
ORT-03 (0+05)	0-2"	K57734			PCB, TOC, Grain Size
	2-6"	K57735			PCB
	6-11"	K57736			PCB
	11-20"	K57737			PCB
ORT-03 (1+21)	0-2"	K57738			PCB, TOC, Grain Size
	2-6"	K57739			PCB
	6-12"	K57740			PCB
	12-24"	K57741			PCB
	24-36"	K57742			PCB
	36-41"	K57743			PCB
	41-48"	K57744			PCB
	48-60"	K57745			PCB
	60-70"	K57746			PCB
ORT-03 (1+99)	0-2"	K57747			PCB, TOC, Grain Size
	2-6"	K57748			PCB
	6-12"	K57749			PCB
	12-24"	K57750			PCB
	24-32"	K57751			PCB
	32-36"	K57752			PCB
	36-46"	K57753		X	PCB
	46-62"	K57754			PCB
	46-62"	K57755	K57754		PCB
ORT-03 (2+68)	0-2"	K57756			PCB, TOC, Grain Size
	2-4"	K57757			PCB
	4-12"	K57758			PCB
	12-24"	K57759			PCB
	24-29"	K57760			PCB
	29-41"	K57761			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Sediment (Cont.)					
ORT-05 (0+05)	0-2"	K57762			PCB, TOC, Grain Size
	2-6"	K57763			PCB
	6-10"	K57764			PCB
	10-24"	K57765			PCB
	24-36"	K57766			PCB
	36-48"	K57767			PCB
	48-55"	K57768			PCB
ORT-05 (0+42)	0-2"	K57769			PCB, TOC, Grain Size
	2-6"	K57770			PCB
	6-12"	K57771			PCB
	12-19"	K57772			PCB
	19-24"	K57773			PCB
	24-36"	K57774			PCB
	36-48"	K57775			PCB
	48-58"	K57776			PCB
ORT-05 (1+70)	0-2"	K57777			PCB, TOC, Grain Size
	2-6"	K57778			PCB
	6-12"	K57779			PCB
	12-24"	K57780			PCB
	12-24"	K57781	K57780		PCB
	24-29"	K57782			PCB
	29-32"	K57783			PCB
	32-36"	K57784			PCB
	36-48"	K57785		x	PCB
	48-60"	K57786			PCB
ORT-05 (2+14)	0-2"	K57787			PCB, TOC, Grain Size
	2-6"	K57788			PCB
	6-12"	K57789			PCB
	12-17"	K57790			PCB
	17-25"	K57791			PCB
	25-39"	K57792			PCB
ORT-09 (0+05)	0-2"	K57793			Grain Size
	2-6"	K57794			PCB
	6-9"	K57795			PCB
ORT-09 (0+68)	0-2"	K57796			PCB, TOC, Grain Size
	2-7"	K57797			PCB
	2-7"	K57798	K57797		PCB
ORT-09 (1+84)	0-2"	K57799		x	PCB, TOC, Grain Size
ORT-09 (2+16)	0-2"	K57800			PCB, TOC, Grain Size
	2-6"	K57801			PCB
	6-12"	K57802			PCB
ORT-08 (0+10)	0-2"	K57803			PCB, TOC, Grain Size
	2-6"	K57804			PCB
	6-12"	K57805			PCB
	12-20"	K57806			PCB
	20-24"	K57807			PCB
	24-36"	K57808			PCB
	36-48"	K57809			PCB
	48-63"	K57810			PCB
ORT-08 (1+00)	0-2"	K57811			PCB, TOC, Grain Size
	2-6"	K57812			PCB
	6-12"	K57813			PCB
	12-19"	K57814			PCB
	19-21"	K57815			PCB
	21-36"	K57816			PCB
	36-46"	K57817			PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Sediment (Cont.)					
ORT-08 (1+60)	0-2"	K57818			PCB, TOC, Grain Size
	0-2"	K57819	K57818		Grain Size
	2-5"	K57820			PCB
	5-12"	K57821		x	PCB
	12-24"	K57822			PCB
	12-24"	K57823	K57822		PCB
	24-28"	K57824			PCB
ORT-08 (2+18)	0-2"	K57825			PCB, TOC, Grain Size
	0-2"	K57826	K57825		PCB, TOC
	2-8"	K57827			PCB
	8-12"	K57828			PCB
	12-15"	K57829			PCB
	15-19"	K57830			PCB
	19-24"	K57831			PCB
	24-32"	K57832			PCB
	32-35"	K57833			PCB
ORT-11 (0+05)	0-2"	K57834			PCB, TOC, Grain Size
	2-6"	K57835			PCB
	6-12"	K57836			PCB
	12-24"	K57837			PCB
	24-36"	K57838			PCB
	36-48"	K57839			PCB
	48-52"	K57840		x	PCB
	0-2"	K57841			PCB, TOC, Grain Size
	2-6"	K57842			PCB
ORT-11 (0+36)	6-9"	K57843			PCB
	9-17"	K57844			PCB
	0-2"	K57845			PCB, TOC, Grain Size
	2-6"	K57846			PCB
	6-11"	K57847			PCB
ORT-11 (1+66)	11-13"	K57848			PCB
	13-27"	K57849			PCB
	0-2"	K57850			PCB, TOC, Grain Size
	2-6"	K57851			PCB
	6-12"	K57852			PCB
ORT-11 (1+93)	12-21"	K57853			PCB
	21-27"	K57854			PCB
	0-2"	K57855			PCB, TOC, Grain Size
	2-6"	K57856			PCB
	6-12"	K57857			PCB
ORT-14 (0+05)	6-12"	K57858	K57857		PCB
	12-14"	K57859			PCB
	0-2"	K57860			PCB, TOC, Grain Size
	2-6"	K57861			PCB
	6-10"	K57862		x	PCB
ORT-14 (0+37)	0-2"	K57863			PCB, TOC, Grain Size
	2-8"	K57864			PCB
ORT-14 (1+10)	0-2"	K57865			PCB, TOC, Grain Size
	2-6"	K57866			PCB
	6-12"	K57867			PCB
ORT-16 (0+10)	0-2"	K57868			PCB, TOC, Grain Size
	2-5"	K57869			PCB
ORT-16 (0+25)	0-2"	K57870			PCB, TOC, Grain Size
ORT-16 (0+70)	0-2"	K57871			PCB, TOC, Grain Size
	2-7"	K57872			PCB
ORT-16 (1+15)	0-2"	K57873			PCB, TOC, Grain Size
	2-4"	K57874			PCB
	4-7"	K57875			PCB
	7-10"	K57876		x	PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Sediment (Cont.)					
ORT-17 (0+10)	0-2"	K57877			PCB, TOC, Grain Size
	2-6"	K57878			PCB
	6-12"	K57879			PCB
	12-18"	K57880			PCB
ORT-17 (0+57)	0-2"	K57881			PCB, TOC, Grain Size
	2-8"	K57882			PCB
ORT-17 (1+51)	0-2"	K57883			PCB, TOC, Grain Size
	2-6"	K57884			PCB
	6-10"	K57885			PCB
	6-10"	K57886	K57885		PCB
ORT-17 (1+80)	0-2"	K57887			PCB, TOC, Grain Size
	2-6"	K57888			PCB
	6-12"	K57889			PCB
	12-18"	K57890			PCB
	18-21"	K57891			PCB
	21-23"	K57892			PCB
ORT-22 (0+05)	0-2"	K57893			PCB, TOC, Grain Size
	0-2"	K57894	K57893		PCB, TOC, Grain Size
	2-6"	K57895			PCB
	6-12"	K57896		x	PCB
ORT-23 (0+05)	0-2"	K57897		x	PCB, TOC, Grain Size
	2-7"	K57898			PCB
ORT-23 (1+68)	0-2"	K57899			PCB, TOC, Grain Size
	2-5"	K57900			PCB
	5-12"	K57901			PCB
	12-16"	K57902			PCB
ORT-25 (0+10)	0-2"	K57903			PCB, TOC, Grain Size
	2-6"	K57904			PCB
	6-13"	K57905			PCB
ORT-25 (1+25)	0-2"	K57906			PCB, TOC, Grain Size
	2-6"	K57907			PCB
ORT-25 (1+48)	0-2"	K57908			PCB, TOC, Grain Size
	2-8"	K57909			PCB
	8-11"	K57910			PCB
ORT-25 (1+72)	0-2"	K57911			PCB, TOC, Grain Size
	2-6"	K57912			PCB
	6-10"	K57913			PCB
ORT-26 (0+05)	0-2"	K57914			PCB, TOC, Grain Size
	2-6"	K57915			PCB
	6-10"	K57916			PCB
	10-12"	K57917			PCB
ORT-26 (0+10)	0-2"	K57918			PCB, TOC, Grain Size
	2-6"	K57919			PCB
	6-13"	K57920			PCB
ORT-26 (1+67)	0-2"	K57921			PCB, TOC, Grain Size
	2-6"	K57922			PCB
	6-12"	K57923			PCB
	6-12"	K57924	K57923		PCB
ORT-18 (0+05)	0-2"	K57925			PCB, TOC, Grain Size
	2-6"	K57926			PCB
ORT-18 (1+48)	0-2"	K57927			PCB, TOC, Grain Size
	2-6"	K57928			PCB
	6-12"	K57929			PCB
	12-15"	K57930			PCB
	15-19"	K57931			PCB
	19-22"	K57932			PCB
	22-24"	K57933			PCB
ORT-20 (0+05)	0-2"	K57934			PCB, TOC, Grain Size
	2-6"	K57935			PCB
	2-6"	K57936	K57935		PCB
	6-8"	K57937		x	PCB

See Notes on Page 16.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 5 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Information

Location	Sample Interval	Sample ID	Duplicate Sample ID	MS/MSD	Analysis
Sediment (Cont.)					
ORT-20 (2+11)	0-2"	K57938			PCB, TOC, Grain Size
	2-7"	K57939			PCB
	7-12"	K57940			PCB
OSED-01	0 - 2	K57622			PCB, TOC
	2 - 6	K57623			PCB
	6 - 8	K57624			PCB
	8 - 12	K57625			PCB
	12 - 24	K57626			PCB
	24 - 36	K57627			PCB
	36 - 42	K57628			PCB
OSED-02	0 - 2	K57629			PCB, TOC
	2 - 6	K57630			PCB, PCDD/PCDF
	6 - 12	K57631			PCB
	12 - 16	K57632			PCB
	16 - 24	K57633			PCB
	24 - 36	K57634			PCB
	36 - 42	K57635			PCB
OSED-05	0 - 2	K57649			PCB, TOC
	2 - 6	K57650			PCB
	6 - 12	K57651			PCB
	12 - 15	K57652			PCB
	15 - 24	K57653			PCB
	15 - 24	K57654	K57653		PCB
	24 - 36	K57655			PCB
OSED-06	0 - 2	K57656			PCB, TOC
	2 - 6	K57657			PCB
	6 - 11	K57658			PCB
	11 - 15	K57659			PCB
	15 - 24	K57660		x	PCB
	24 - 31	K57661			PCB
	0 - 2	K57668			PCB, TOC
OSED-08	2 - 6	K57669			PCB
	6 - 10	K57670			PCB
	10 - 12	K57671			PCB
	12 - 22	K57672			PCB
	22 - 25.5	K57673			PCB
	25.5 - 29	K57674			PCB
	29 - 41	K57675			PCB
	29 - 41	K57676	K57675		PCB
	0 - 2	K57682			PCB, TOC
	2 - 6	K57683			PCB
OSED-10	6 - 12	K57684			PCB
	12 - 15	K57685			PCB
	15 - 18	K57686			PCB
	18 - 23	K57687			PCB
	23 - 30	K57688		x	PCB

Notes:

- Core locations OFP-016, OFP-023, OFP-24, OFP-033, OFP-37, OFP-38, and OFP-43 were re-occupied using different sampling equipment to penetrate dry hard-packed clay encountered that was impenetrable using Lexan. No samples were analyzed from the original cores.
- Samples associated with core locations OFP-039, OFP-042, OFP-044, OFP-051, OFP-052, OFP-053, OFP-054, OFP-055, OFP-056, and OFP-058 were collected on September 28 and archived. These samples were sent to the laboratory on October 4.
- Samples associated with core locations OSED-01, OSED-02, OSED-05, OSED-06, OSED-08, and OSED-10 were collected on July 12 and archived. These samples were sent to the laboratory on October 4.

MS/MSD = Matrix Spike/Matrix Spike Duplicate

PCB = polychlorinated biphenyl

TOC = total organic carbon

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
12859	OFP-040	0-6"	K27776	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27777	Floodplain Soil			PCB	10/10/2012
		12-24"	K27778	Floodplain Soil			PCB	10/10/2012
		24-30"	K27779	Floodplain Soil			PCB	10/10/2012
		30-38"	K27780	Floodplain Soil			PCB	10/10/2012
		38-40"	K27781	Floodplain Soil			PCB	10/10/2012
	OFP-041	0-6"	K27782	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27783	Floodplain Soil			PCB	10/10/2012
		12-24"	K27784	Floodplain Soil			PCB	10/10/2012
		24-32"	K27785	Floodplain Soil			PCB	10/10/2012
		32-36"	K27786	Floodplain Soil			PCB	10/10/2012
		36-48"	K27787	Floodplain Soil			PCB	10/10/2012
		48-60"	K27788	Floodplain Soil			PCB	10/10/2012
	OFP-045	0-6"	K27789	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27790	Floodplain Soil			PCB	10/10/2012
		12-24"	K27791	Floodplain Soil			PCB	10/10/2012
		12-24"	K27792	Floodplain Soil	K27791		PCB	10/10/2012
		24-34"	K27793	Floodplain Soil		x	PCB	10/10/2012
		34-40"	K27794	Floodplain Soil			PCB	10/10/2012
		40-49"	K27795	Floodplain Soil			PCB	10/10/2012
12863	OFP-046	0-6"	K27796	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27797	Floodplain Soil			PCB	10/10/2012
		12-24"	K27798	Floodplain Soil			PCB	10/10/2012
		24-36"	K27799	Floodplain Soil			PCB	10/10/2012
		36-40"	K27800	Floodplain Soil			PCB	10/10/2012
	OFP-047	0-6"	K27801	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27802	Floodplain Soil			PCB	10/10/2012
		12-18"	K27803	Floodplain Soil			PCB	10/10/2012
		18-22"	K27804	Floodplain Soil			PCB	10/10/2012
		22-27"	K27805	Floodplain Soil			PCB	10/10/2012
		27-35"	K27806	Floodplain Soil			PCB	10/10/2012
	OFP-048	0-6"	K27807	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27808	Floodplain Soil			PCB	10/10/2012
		12-24"	K27809	Floodplain Soil			PCB	10/10/2012
		24-29"	K27810	Floodplain Soil			PCB	10/10/2012
		29-36"	K27811	Floodplain Soil			PCB	10/10/2012
		36-43"	K27812	Floodplain Soil			PCB	10/10/2012
	OFP-049	0-6"	K27813	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27814	Floodplain Soil			PCB	10/10/2012
	OPF-050	24-32"	K27822	Floodplain Soil		x	PCB	10/10/2012
12867	OFP-049	12-19"	K27815	Floodplain Soil			PCB	10/10/2012
		19-24"	K27816	Floodplain Soil			PCB	10/10/2012
		19-24"	K27817	Floodplain Soil	K27816		PCB	10/10/2012
	OFP-050	0-6"	K27818	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27819	Floodplain Soil			PCB	10/10/2012
		12-20"	K27820	Floodplain Soil			PCB	10/10/2012
		20-24"	K27821	Floodplain Soil			PCB	10/10/2012
	OFP-001	0-6"	K27823	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27824	Floodplain Soil			PCB	10/10/2012
		12-19"	K27825	Floodplain Soil			PCB	10/10/2012
		19-27"	K27826	Floodplain Soil			PCB	10/10/2012
	OFP-002	0-6"	K27827	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27828	Floodplain Soil			PCB	10/10/2012
		12-24"	K27829	Floodplain Soil			PCB	10/10/2012
		24-36"	K27830	Floodplain Soil			PCB	10/10/2012
	OFP-003	36-42"	K27831	Floodplain Soil			PCB	10/10/2012
		0-6"	K27832	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-10"	K27833	Floodplain Soil			PCB	10/10/2012
		10-12"	K27834	Floodplain Soil			PCB	10/10/2012
		36-48"	K27838	Floodplain Soil		x	PCB	10/10/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
12874	OFP-003	19-24"	K27835	Floodplain Soil			PCB	10/8/2012
		24-36"	K27836	Floodplain Soil			PCB	10/8/2012
		24-36"	K27837	Floodplain Soil	K27836		PCB	10/8/2012
		48-52"	K27839	Floodplain Soil			PCB	10/8/2012
		52-60"	K27840	Floodplain Soil			PCB	10/8/2012
		60-65"	K27841	Floodplain Soil			PCB	10/8/2012
		65-68"	K27842	Floodplain Soil			PCB	10/8/2012
12887	OFP-004	0-6"	K27843	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27844	Floodplain Soil			PCB	10/10/2012
		12-20"	K27845	Floodplain Soil			PCB	10/10/2012
		20-24"	K27846	Floodplain Soil			PCB	10/10/2012
		24-33"	K27847	Floodplain Soil			PCB	10/10/2012
		33-40"	K27848	Floodplain Soil			PCB	10/10/2012
	OFP-005	0-6"	K27849	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27850	Floodplain Soil			PCB	10/10/2012
		12-14"	K27851	Floodplain Soil			PCB	10/10/2012
		18-24"	K27852	Floodplain Soil			PCB	10/10/2012
		24-27"	K27853	Floodplain Soil			PCB	10/10/2012
		27-36"	K27854	Floodplain Soil		x	PCB	10/10/2012
	OFP-006	36-48"	K27855	Floodplain Soil			PCB	10/10/2012
		0-6"	K27856	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27857	Floodplain Soil			PCB	10/10/2012
		12-14"	K27858	Floodplain Soil			PCB	10/10/2012
		17-24"	K27859	Floodplain Soil			PCB	10/10/2012
		24-36"	K27860	Floodplain Soil	K27860		PCB	10/10/2012
12890	OFP-006	36-48"	K27861	Floodplain Soil			PCB	10/10/2012
		48-52"	K27863	Floodplain Soil			PCB	10/10/2012
	OFP-007	52-56"	K27864	Floodplain Soil			PCB	10/10/2012
		0-6"	K27865	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-11"	K27866	Floodplain Soil			PCB	10/10/2012
		11-13"	K27867	Floodplain Soil			PCB	10/10/2012
		16-19"	K27868	Floodplain Soil			PCB	10/10/2012
		19-24"	K27869	Floodplain Soil			PCB	10/10/2012
		24-36"	K27870	Floodplain Soil			PCB	10/10/2012
		36-44"	K27871	Floodplain Soil			PCB	10/10/2012
	OFP-008	44-56"	K27872	Floodplain Soil			PCB	10/10/2012
		0-6"	K27873	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-13"	K27874	Floodplain Soil			PCB	10/10/2012
		13-18"	K27875	Floodplain Soil			PCB	10/10/2012
	OFP-009	18-24"	K27876	Floodplain Soil			PCB	10/10/2012
		0-6"	K27877	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-13"	K27878	Floodplain Soil			PCB	10/10/2012
		18-24"	K27879	Floodplain Soil			PCB	10/10/2012
		24-36"	K27880	Floodplain Soil		x	PCB	10/10/2012
		36-40"	K27881	Floodplain Soil			PCB	10/10/2012
12892	OFP-010	40-42"	K27882	Floodplain Soil			PCB	10/10/2012
		0-6"	K27883	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-9"	K27884	Floodplain Soil			PCB	10/10/2012
		9-15"	K27885	Floodplain Soil			PCB	10/10/2012
		16-22"	K27886	Floodplain Soil			PCB	10/10/2012
		22-28"	K27887	Floodplain Soil			PCB	10/10/2012
		28-32"	K27888	Floodplain Soil			PCB	10/10/2012
	OFP-011	32-43"	K27889	Floodplain Soil			PCB	10/10/2012
		32-43"	K27890	Floodplain Soil	K27889		PCB	10/10/2012
		0-6"	K27891	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		0-6"	K27892	Floodplain Soil	K27891		PCB, TOC, Grain Size	10/10/2012
		6-12"	K27893	Floodplain Soil			PCB	10/10/2012
		12-15"	K27894	Floodplain Soil			PCB	10/10/2012
		18-29"	K27895	Floodplain Soil			PCB	10/10/2012
		29-36"	K27896	Floodplain Soil			PCB	10/10/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
12892 (Cont.)	OFP-011 (Cont.)	36-48"	K27897	Floodplain Soil			PCB	10/10/2012
		48-60"	K27898	Floodplain Soil			PCB	10/10/2012
		60-72"	K27899	Floodplain Soil			PCB	10/10/2012
	OFP-012	0-6"	K27900	Floodplain Soil		x	PCB, TOC, Grain Size	10/10/2012
		6-12"	K27901	Floodplain Soil			PCB	10/10/2012
		12-19"	K27902	Floodplain Soil			PCB	10/10/2012
		19-24"	K27903	Floodplain Soil			PCB	10/10/2012
		30-36"	K27904	Floodplain Soil			PCB	10/10/2012
12896	OFP-012	0-6"	K27905	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27906	Floodplain Soil			PCB	10/10/2012
	OFP-013	12-26"	K27907	Floodplain Soil			PCB	10/10/2012
		26-36"	K27908	Floodplain Soil			PCB	10/10/2012
		36-48"	K27909	Floodplain Soil			PCB	10/10/2012
		48-60"	K27910	Floodplain Soil			PCB	10/10/2012
		60-64"	K27911	Floodplain Soil			PCB	10/10/2012
	OFP-014	0-6"	K27912	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-11"	K27913	Floodplain Soil			PCB	10/10/2012
		11-18"	K27914	Floodplain Soil			PCB	10/10/2012
	OFP-015	0-6"	K27915	Floodplain Soil			PCB, TOC, Grain Size	10/10/2012
		6-12"	K27916	Floodplain Soil			PCB	10/10/2012
		12-24"	K27917	Floodplain Soil			PCB	10/10/2012
		24-28"	K27918	Floodplain Soil			PCB	10/10/2012
		28-30"	K27919	Floodplain Soil			PCB	10/10/2012
12914	OFP-017	0-4"	K27925	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		4-8"	K27926	Floodplain Soil			PCB	10/15/2012
		8-10"	K27927	Floodplain Soil			PCB	10/15/2012
		10-24"	K27928	Floodplain Soil			PCB	10/15/2012
		24-30"	K27929	Floodplain Soil		x	PCB	10/15/2012
	OFP-018	0-6"	K27930	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		6-10"	K27931	Floodplain Soil			PCB	10/15/2012
		10-24"	K27932	Floodplain Soil			PCB	10/15/2012
	OFP-019	0-7"	K27933	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		7-12"	K27934	Floodplain Soil			PCB	10/15/2012
		12-23"	K27935	Floodplain Soil			PCB	10/15/2012
		23-36"	K27936	Floodplain Soil			PCB	10/15/2012
		36-42"	K27937	Floodplain Soil			PCB	10/15/2012
12918	OFP-020	0-6"	K27938	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		6-13"	K27939	Floodplain Soil			PCB	10/15/2012
		14-23"	K27940	Floodplain Soil			PCB	10/15/2012
		14-23"	K27941	Floodplain Soil	K27940		PCB	10/15/2012
		23-28"	K27942	Floodplain Soil			PCB	10/15/2012
		28-36"	K27943	Floodplain Soil			PCB	10/15/2012
	OFP-021	36-48"	K27944	Floodplain Soil			PCB	10/15/2012
		48-58"	K27945	Floodplain Soil			PCB	10/15/2012
		0-6"	K27946	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		6-12"	K27947	Floodplain Soil			PCB	10/15/2012
		12-18"	K27948	Floodplain Soil			PCB	10/15/2012
		19-26"	K27949	Floodplain Soil			PCB	10/15/2012
		26-36"	K27950	Floodplain Soil		x	PCB	10/15/2012
	OFP-022	36-48"	K27951	Floodplain Soil			PCB	10/15/2012
		48-59"	K27952	Floodplain Soil			PCB	10/15/2012
		0-6"	K27953	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		6-10"	K27954	Floodplain Soil			PCB	10/15/2012
		10-13"	K27955	Floodplain Soil			PCB	10/15/2012
		16-21"	K27956	Floodplain Soil			PCB	10/15/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
12922	OFP-025	0-6"	K27968	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		6-14"	K27969	Floodplain Soil			PCB	10/15/2012
		16-20"	K27970	Floodplain Soil			PCB	10/15/2012
		20-30"	K27971	Floodplain Soil			PCB	10/15/2012
	OFP-026	0-6"	K27972	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		6-10"	K27973	Floodplain Soil			PCB	10/15/2012
		10-13"	K27974	Floodplain Soil			PCB	10/15/2012
		14-24"	K27975	Floodplain Soil			PCB	10/15/2012
		24-36"	K27976	Floodplain Soil			PCB	10/15/2012
		36-48"	K27977	Floodplain Soil			PCB	10/15/2012
		48-53"	K27978	Floodplain Soil			PCB	10/15/2012
	OFP-027	0-6"	K27979	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
12926	OFP-027	6-12"	K27980	Floodplain Soil			PCB	10/20/2012
		12-22"	K27981	Floodplain Soil			PCB	10/20/2012
		22-29"	K27982	Floodplain Soil			PCB	10/20/2012
		29-33"	K27983	Floodplain Soil			PCB	10/20/2012
		33-36"	K27984	Floodplain Soil			PCB	10/20/2012
	OFP-029	0-6"	K27985	Floodplain Soil			PCB, TOC, Grain Size	10/20/2012
		6-14"	K27986	Floodplain Soil			PCB	10/20/2012
		16-24"	K27987	Floodplain Soil			PCB	10/20/2012
		16-24"	K27988	Floodplain Soil	K27987		PCB	10/20/2012
		24-31"	K27989	Floodplain Soil			PCB	10/20/2012
		31-38"	K27990	Floodplain Soil		x	PCB	10/20/2012
	OFP-032	0-6"	K27991	Floodplain Soil			PCB, TOC, Grain Size	10/20/2012
		6-12"	K27992	Floodplain Soil			PCB	10/20/2012
		12-19"	K27993	Floodplain Soil			PCB	10/20/2012
		22-32"	K27994	Floodplain Soil			PCB	10/20/2012
		32-43"	K27995	Floodplain Soil			PCB	10/20/2012
12929	OFP-036	0-7.5"	K28001	Floodplain Soil			PCB, TOC, Grain Size	10/15/2012
		7.5-12"	K28002	Floodplain Soil			PCB	10/15/2012
		12-19"	K28003	Floodplain Soil			PCB	10/15/2012
13060	OSED-01	0 - 2"	K57622	Sediment			PCB, TOC	10/20/2012
		2 - 6"	K57623	Sediment			PCB	10/20/2012
		6 - 8"	K57624	Sediment			PCB	10/20/2012
		8 - 12"	K57625	Sediment			PCB	10/20/2012
		12 - 24"	K57626	Sediment			PCB	10/20/2012
		24 - 36"	K57627	Sediment			PCB	10/20/2012
		36 - 42"	K57628	Sediment			PCB	10/20/2012
	OSED-02	0 - 2"	K57629	Sediment			PCB, TOC	10/20/2012
		2 - 6"	K57630	Sediment			PCB, PCDD/PCDF	10/20/2012
		6 - 12"	K57631	Sediment			PCB	10/20/2012
		12 - 16"	K57632	Sediment			PCB	10/20/2012
		16 - 24"	K57633	Sediment			PCB	10/20/2012
		24 - 36"	K57634	Sediment			PCB	10/20/2012
	OSED-05	36 - 42"	K57635	Sediment			PCB	10/20/2012
		0 - 2"	K57649	Sediment			PCB, TOC	10/20/2012
		2 - 6"	K57650	Sediment			PCB	10/20/2012
		6 - 12"	K57651	Sediment			PCB	10/20/2012
		12 - 15"	K57652	Sediment			PCB	10/20/2012
	OSED-06	15 - 24"	K57653	Sediment			PCB	10/20/2012
		15 - 24"	K57660	Sediment		x	PCB	10/20/2012
		15 - 18"	K57686	Sediment			PCB	10/20/2012
13062	OSED-10	15 - 18"	K57687	Sediment			PCB	10/20/2012
		18 - 23"					PCB	10/20/2012
	OPF-039	0-6"	K28012	Floodplain Soil			PCB, TOC, Grain Size	10/20/2012
		6-12"	K28013	Floodplain Soil			PCB	10/20/2012
		12-22"	K28014	Floodplain Soil			PCB	10/20/2012
		22-25"	K28015	Floodplain Soil			PCB	10/20/2012
		25-36"	K28016	Floodplain Soil		x	PCB	10/20/2012
		36-47"	K28017	Floodplain Soil			PCB	10/20/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
13062 (Cont.)	OFP-042	0-6"	K28018	Floodplain Soil			PCB, TOC, Grain Size	10/20/2012
		6-12"	K28019	Floodplain Soil			PCB	10/20/2012
		12-16"	K28020	Floodplain Soil			PCB	10/20/2012
		17-24"	K28021	Floodplain Soil			PCB	10/20/2012
		24-35"	K28022	Floodplain Soil			PCB	10/20/2012
		35-41"	K28023	Floodplain Soil			PCB	10/20/2012
	OFP-044	0-6"	K28030	Floodplain Soil			PCB, TOC, Grain Size	10/20/2012
		6-12"	K28031	Floodplain Soil			PCB	10/20/2012
		12-24"	K28032	Floodplain Soil			PCB	10/20/2012
		12-24"	K28033	Floodplain Soil	K28032		PCB	10/20/2012
		24-29"	K28034	Floodplain Soil			PCB	10/20/2012
	OFP-051	0-6"	K28036	Floodplain Soil			PCB, TOC, Grain Size	10/20/2012
13063	OSED-05	15 - 24	K57654	Sediment	K57653		PCB	10/19/2012
		24 - 36	K57655	Sediment			PCB	10/19/2012
		0 - 2	K57656	Sediment			PCB, TOC	10/19/2012
		2 - 6	K57657	Sediment			PCB	10/19/2012
		6 - 11	K57658	Sediment			PCB	10/19/2012
		11 - 15	K57659	Sediment			PCB	10/19/2012
	OSED-08	0 - 2	K57668	Sediment			PCB, TOC	10/19/2012
		2 - 6	K57669	Sediment			PCB	10/19/2012
		6 - 10	K57670	Sediment			PCB	10/19/2012
		10 - 12	K57671	Sediment			PCB	10/19/2012
		12 - 22	K57672	Sediment			PCB	10/19/2012
		22 - 25.5	K57673	Sediment			PCB	10/19/2012
		25.5 - 29	K57674	Sediment			PCB	10/19/2012
		29 - 41	K57675	Sediment			PCB	10/19/2012
		29 - 41	K57676	Sediment	K57675		PCB	10/19/2012
	OSED-10	0 - 2	K57682	Sediment			PCB, TOC	10/19/2012
		2 - 6	K57683	Sediment			PCB	10/19/2012
		6 - 12	K57684	Sediment			PCB	10/19/2012
		12 - 15	K57685	Sediment			PCB	10/19/2012
		23 - 30	K57688	Sediment		x	PCB	10/19/2012
13066	OFP-044	29-41"	K28035	Floodplain Soil		x	PCB	10/25/2012
	OFP-051	6-12"	K28037	Floodplain Soil			PCB	10/25/2012
		12-18"	K28038	Floodplain Soil			PCB	10/25/2012
		19-27"	K28039	Floodplain Soil			PCB	10/25/2012
		27-36"	K28040	Floodplain Soil			PCB	10/25/2012
		36-45"	K28041	Floodplain Soil			PCB	10/25/2012
		45-53"	K28042	Floodplain Soil			PCB	10/25/2012
	OFP-052	53-64"	K28043	Floodplain Soil			PCB	10/25/2012
		0-6"	K28044	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
		6-12"	K28045	Floodplain Soil			PCB	10/25/2012
		12-24"	K28046	Floodplain Soil			PCB	10/25/2012
	OFP-053	24-37"	K28047	Floodplain Soil			PCB	10/25/2012
		0-6"	K28048	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
		6-12"	K28049	Floodplain Soil			PCB	10/25/2012
		12-24"	K28050	Floodplain Soil			PCB	10/25/2012
	OFP-054	24-29"	K28051	Floodplain Soil			PCB	10/25/2012
		0-6"	K28052	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
		6-9"	K28053	Floodplain Soil			PCB	10/25/2012
		9-12"	K28054	Floodplain Soil			PCB	10/25/2012
	OFP-054	12-16"	K28055	Floodplain Soil			PCB	10/25/2012
		17-24"	K28056	Floodplain Soil			PCB	10/19/2012
		24-31"	K28057	Floodplain Soil			PCB	10/19/2012
		31-33"	K28058	Floodplain Soil			PCB	10/19/2012
		0-6"	K28059	Floodplain Soil			PCB, TOC, Grain Size	10/19/2012
13069	OFP-054	6-11"	K28060	Floodplain Soil			PCB	10/19/2012
		11-17"	K28061	Floodplain Soil			PCB	10/19/2012
		17-24"	K28062	Floodplain Soil			PCB	10/19/2012
	OFP-055	24-31"	K28063	Floodplain Soil			PCB	10/19/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
13069 (Cont.)	OFP-056	0-6"	K28064	Floodplain Soil		x	PCB, TOC, Grain Size	10/19/2012
		6-8"	K28065	Floodplain Soil			PCB	10/19/2012
	OFP-058	0-6"	K28066	Floodplain Soil			PCB, TOC, Grain Size	10/19/2012
		6-14"	K28067	Floodplain Soil			PCB	10/19/2012
		16-24"	K28068	Floodplain Soil			PCB	10/19/2012
		24-32"	K28069	Floodplain Soil			PCB	10/19/2012
	OFP-069	24-32"	K28070	Floodplain Soil	K28069		PCB	10/19/2012
		0-6"	K28071	Floodplain Soil			PCB, TOC, Grain Size	10/19/2012
		6-9"	K28072	Floodplain Soil			PCB	10/19/2012
		10-12"	K28073	Floodplain Soil			PCB	10/19/2012
		12-24"	K28074	Floodplain Soil			PCB	10/19/2012
		24-36"	K28075	Floodplain Soil			PCB	10/19/2012
13070	OFP-073	24-26"	K28095	Floodplain Soil			PCB	10/25/2012
		36-46"	K28097	Floodplain Soil			PCB	10/25/2012
	OFP-074	0-6"	K28098	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
		6-12"	K28099	Floodplain Soil			PCB	10/25/2012
		13-24"	K28100	Floodplain Soil			PCB	10/25/2012
		24-30"	K28101	Floodplain Soil			PCB	10/25/2012
	OFP-075	0-6"	K28102	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
		6-12"	K28103	Floodplain Soil			PCB	10/25/2012
		12-16"	K28104	Floodplain Soil			PCB	10/25/2012
		17-23"	K28105	Floodplain Soil			PCB	10/25/2012
		23-36"	K28106	Floodplain Soil			PCB	10/25/2012
		36-38"	K28107	Floodplain Soil			PCB	10/25/2012
		38-44"	K28108	Floodplain Soil			PCB	10/25/2012
	OFP-078	0-6"	K28109	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
		0-6"	K28110	Floodplain Soil	K28109		PCB, TOC, Grain Size	10/25/2012
		6-12"	K28111	Floodplain Soil			PCB	10/25/2012
		12-16"	K28112	Floodplain Soil			PCB	10/25/2012
		16-24"	K28113	Floodplain Soil		x	PCB	10/25/2012
		24-30"	K28114	Floodplain Soil			PCB	10/25/2012
		0-6"	K28115	Floodplain Soil			PCB, TOC, Grain Size	10/25/2012
13071	OTBS-32	46-53"	K28136	Bank Soil			PCB	10/30/2012
	OTBS-19	0-4"	K28137	Bank Soil			PCB, TOC, Grain Size	10/30/2012
		4-6"	K28138	Bank Soil			PCB	10/30/2012
		6-14"	K28139	Bank Soil			PCB	10/30/2012
		16-19"	K28140	Bank Soil			PCB	10/30/2012
		19-29"	K28141	Bank Soil			PCB	10/30/2012
		29-36"	K28142	Bank Soil			PCB	10/30/2012
		36-48"	K28143	Bank Soil			PCB	10/30/2012
		48-60"	K28144	Bank Soil			PCB	10/30/2012
		60-72"	K28145	Bank Soil			PCB	10/30/2012
	OTBN-19	0-4"	K28146	Bank Soil			PCB, TOC, Grain Size	10/30/2012
		4-6"	K28147	Bank Soil			PCB	10/30/2012
		6-12"	K28148	Bank Soil			PCB	10/30/2012
		12-24"	K28149	Bank Soil			PCB	10/30/2012
		24-29"	K28150	Bank Soil			PCB	10/30/2012
		29-36"	K28151	Bank Soil			PCB	10/30/2012
		36-45"	K28152	Bank Soil			PCB	10/30/2012
13072	OFP-079	6-8"	K28116	Floodplain Soil			PCB	10/25/2012
		10-14"	K28117	Floodplain Soil			PCB	10/25/2012
		14-22"	K28118	Floodplain Soil			PCB	10/25/2012
		22-24"	K28119	Floodplain Soil			PCB	10/25/2012
	OTBN-24	0-6"	K28120	Bank Soil			PCB, TOC, Grain Size	10/25/2012
		6-11"	K28121	Bank Soil			PCB	10/25/2012
		13-18"	K28122	Bank Soil			PCB	10/25/2012
		18-24"	K28123	Bank Soil			PCB	10/25/2012
		24-30"	K28124	Bank Soil			PCB	10/25/2012
	OTBS-24	0-6"	K28125	Bank Soil			PCB, TOC, Grain Size	10/25/2012
		6-8"	K28126	Bank Soil			PCB	10/25/2012
		12-19"	K28127	Bank Soil			PCB	10/25/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
13072 (Cont.)	OTBS-32	0-4"	K28128	Bank Soil			PCB, TOC, Grain Size	10/25/2012
		4-6"	K28129	Bank Soil			PCB	10/25/2012
		6-12"	K28130	Bank Soil			PCB	10/25/2012
		6-12"	K28131	Bank Soil	K28130		PCB	10/25/2012
		13-24"	K28132	Bank Soil			PCB	10/25/2012
		24-30"	K28133	Bank Soil			PCB	10/25/2012
		30-36"	K28134	Bank Soil			PCB	10/25/2012
		36-46"	K28135	Bank Soil		x	PCB	10/25/2012
13073	OPF-069	36-40"	K28076	Floodplain Soil			PCB	10/30/2012
	OPF-070	0-6"	K28077	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-12"	K28078	Floodplain Soil			PCB	10/30/2012
		13-22"	K28079	Floodplain Soil			PCB	10/30/2012
		22-27"	K28080	Floodplain Soil			PCB	10/30/2012
	OPF-071	27-36"	K28081	Floodplain Soil			PCB	10/30/2012
		0-6"	K28082	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-12"	K28083	Floodplain Soil			PCB	10/30/2012
		12-17"	K28084	Floodplain Soil			PCB	10/30/2012
		17-19"	K28085	Floodplain Soil			PCB	10/30/2012
	OPF-072	19-25"	K28086	Floodplain Soil			PCB	10/30/2012
		0-6"	K28087	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-11"	K28088	Floodplain Soil			PCB	10/30/2012
		13-18"	K28089	Floodplain Soil			PCB	10/30/2012
	OPF-073	18-24"	K28090	Floodplain Soil			PCB	10/30/2012
		0-6"	K28091	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-11"	K28092	Floodplain Soil			PCB	10/30/2012
		6-11"	K28093	Floodplain Soil	Duplicate		PCB	10/30/2012
		11-24"	K28094	Floodplain Soil			PCB	10/30/2012
13087	OTBN-19	26-36"	K28096	Floodplain Soil		x	PCB	10/30/2012
		45-48"	K28153	Bank Soil			PCB	10/31/2012
	OTBN-20	0-6"	K28154	Bank Soil			PCB, TOC, Grain Size	10/31/2012
		6-14"	K28155	Bank Soil			PCB	10/31/2012
		6-14"	K28156	Bank Soil	Duplicate		PCB	10/31/2012
		16-19"	K28157	Bank Soil			PCB	10/31/2012
		19-24"	K28158	Bank Soil			PCB	10/31/2012
		24-29"	K28159	Bank Soil		x	PCB	10/31/2012
		29-32"	K28160	Bank Soil			PCB	10/31/2012
	OTBS-20	0-6"	K28161	Bank Soil			PCB, TOC, Grain Size	10/31/2012
		6-12"	K28162	Bank Soil			PCB	10/31/2012
		12-18"	K28163	Bank Soil			PCB	10/31/2012
		18-24"	K28164	Bank Soil			PCB	10/31/2012
		24-36"	K28165	Bank Soil			PCB	10/31/2012
		36-48"	K28166	Bank Soil			PCB	10/31/2012
		48-57"	K28167	Bank Soil			PCB	10/31/2012
		0-4"	K28168	Floodplain Soil			PCB, TOC, Grain Size	10/31/2012
13089	OPF-061	4-6"	K28169	Floodplain Soil			PCB	10/31/2012
		6-12"	K28170	Floodplain Soil			PCB	10/31/2012
		12-24"	K28171	Floodplain Soil			PCB	10/31/2012
		24-36"	K28172	Floodplain Soil			PCB	10/31/2012
		36-48"	K28173	Floodplain Soil			PCB	10/30/2012
	OPF-062	48-56"	K28174	Floodplain Soil			PCB	10/30/2012
		56-65"	K28175	Floodplain Soil			PCB	10/30/2012
		0-6"	K28176	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-13"	K28177	Floodplain Soil			PCB	10/30/2012
		6-13"	K28178	Floodplain Soil	Duplicate		PCB	10/30/2012
		14-24"	K28179	Floodplain Soil			PCB	10/30/2012
		24-29"	K28180	Floodplain Soil			PCB	10/30/2012
		29-38"	K28181	Floodplain Soil			PCB	10/30/2012
		38-48"	K28182	Floodplain Soil			PCB	10/30/2012
		48-60"	K28183	Floodplain Soil		x	PCB	10/30/2012
		60-65"	K28184	Floodplain Soil			PCB	10/30/2012
		65-70"	K28185	Floodplain Soil			PCB	10/30/2012

See Notes on Page 8.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #68, October 2012

Table 6 - Area 3/Former Otsego Impoundment 2012 SRI Sampling - Sample Results Received in October 2012

SDG Number	Location	Sample Interval	Sample ID	Sample Matrix	Duplicate Sample ID	MS/MSD	Analysis	Date Received
13089 (Cont.)	OFP-063	0-6"	K28186	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-13"	K28187	Floodplain Soil			PCB	10/30/2012
		14-23"	K28188	Floodplain Soil			PCB	10/30/2012
		23-28"	K28189	Floodplain Soil			PCB	10/30/2012
		31-36"	K28190	Floodplain Soil			PCB	10/30/2012
		36-48"	K28191	Floodplain Soil			PCB	10/30/2012
		48-62"	K28192	Floodplain Soil			PCB	10/30/2012
13090	OFP-063	62-66"	K28193	Floodplain Soil			PCB	10/30/2012
	OFP-064	0-6"	K28194	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-13"	K28195	Floodplain Soil			PCB	10/30/2012
		14-23"	K28196	Floodplain Soil			PCB	10/30/2012
		14-23"	K28197	Floodplain Soil	Duplicate		PCB	10/30/2012
		23-26"	K28198	Floodplain Soil			PCB	10/30/2012
		26-36"	K28199	Floodplain Soil			PCB	10/30/2012
		36-42"	K28200	Floodplain Soil			PCB	10/30/2012
		42-54"	K28201	Floodplain Soil		x	PCB	10/30/2012
		54-60"	K28202	Floodplain Soil			PCB	10/30/2012
	OFP-065	0-6"	K28203	Floodplain Soil			PCB, TOC, Grain Size	10/30/2012
		6-11"	K28204	Floodplain Soil			PCB	10/30/2012
		12-24"	K28205	Floodplain Soil			PCB	10/30/2012
		24-34"	K28206	Floodplain Soil			PCB	10/30/2012
		36-40"	K28207	Floodplain Soil			PCB	10/30/2012
		40-50"	K28208	Floodplain Soil			PCB	10/30/2012
		50-60"	K28209	Floodplain Soil			PCB	10/30/2012
		60-72"	K28210	Floodplain Soil			PCB	10/30/2012
		72-84"	K28211	Floodplain Soil			PCB	10/30/2012
		84-93"	K28212	Floodplain Soil			PCB	10/30/2012

Notes:

MS/MSD = Matrix Spike/Matrix Spike Duplicate

PCB = polychlorinated biphenyl

TOC = total organic carbon